Commercial Ceilings & Walls



HunterDouglas
Architectural



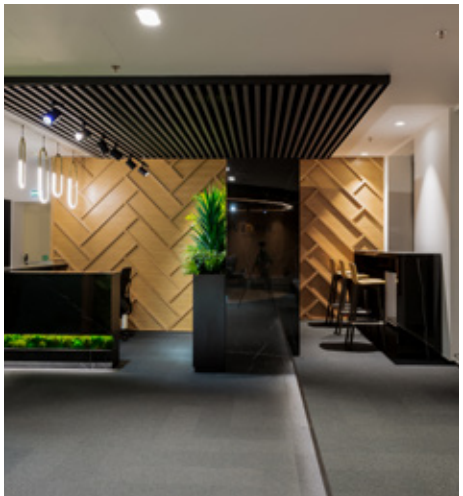
Project : Pakhuismeesteren, Rotterdam, The Netherlands
Product : Stretch Metal Planks

HEARTFELT® CEILINGS

Based on our deep knowledge of ceilings and their applications, combined with expertise in textiles and production techniques we have developed new ceiling design possibilities with HeartFelt®. This new ceiling material provides outstanding acoustic performance and an aesthetic appearance which results in a warm ambiance rarely experienced before.


EUROSUN
MINING











Project : Euro Sun, Enescu Building, Bucharest
Architect: AMA design
Product : HeartFelt® linear

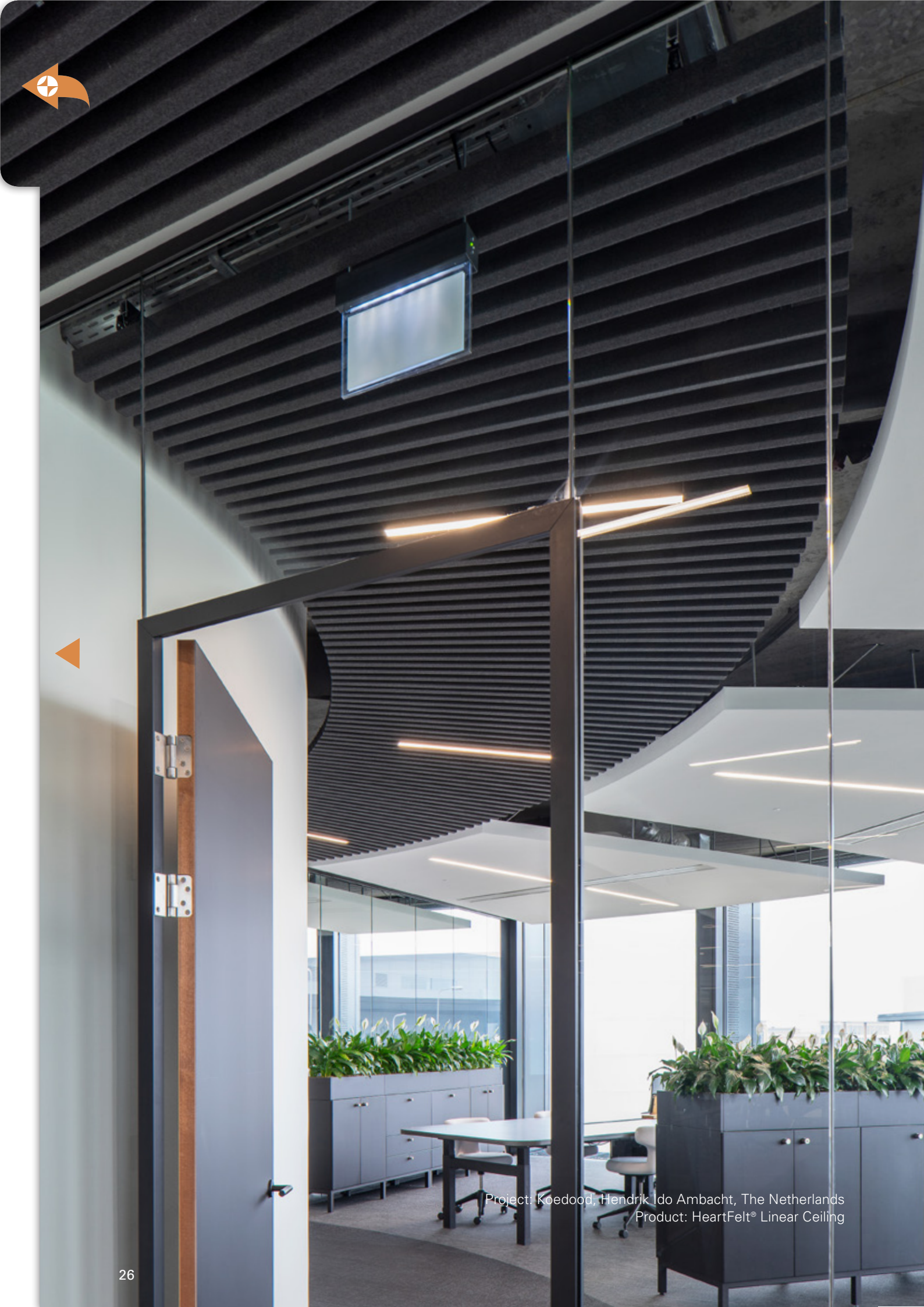
"A SPECIAL DESIGN WITH GREAT ACOUSTIC PERFORMANCE"

When Euro Sun, a major Canadian mining company, opened its first office in Romania, it selected one of Bucharest's premium, grade A office buildings for its headquarters: the Enescu Building.

It commissioned a refurbishment of the ninth-floor office of the building, which is also home of the Norwegian Embassy and KLM. The architect AMA Design created a private lounge for VIP presentations, which included Hunter Douglas Architectural's innovative and award-winning HeartFelt® felt ceiling.

Architect Anda Manu said: "The use of HeartFelt® had actually two purposes: a special design in the ceiling cut-outs and more importantly, for the sound absorption that it can offer. As the HVAC machines are above this floor and are very noisy, the acoustic performance required an additional use of sound-absorbing materials. Therefore, we chose the HeartFelt® ceiling system."

"This particular ceiling system is an innovative and a quality solution for a wide range of differently shaped cut-outs in the ceiling, as well as it presents great acoustic properties. It manages to create an appealing aesthetics and it is easy to maintain."



Project: Koedood, Hendrik Ido Ambacht, The Netherlands
Product: HeartFelt® Linear Ceiling



Office EOH, Prague, Czechia
Product: HeartFelt® Lineair
Architect: Studio Perspektiv

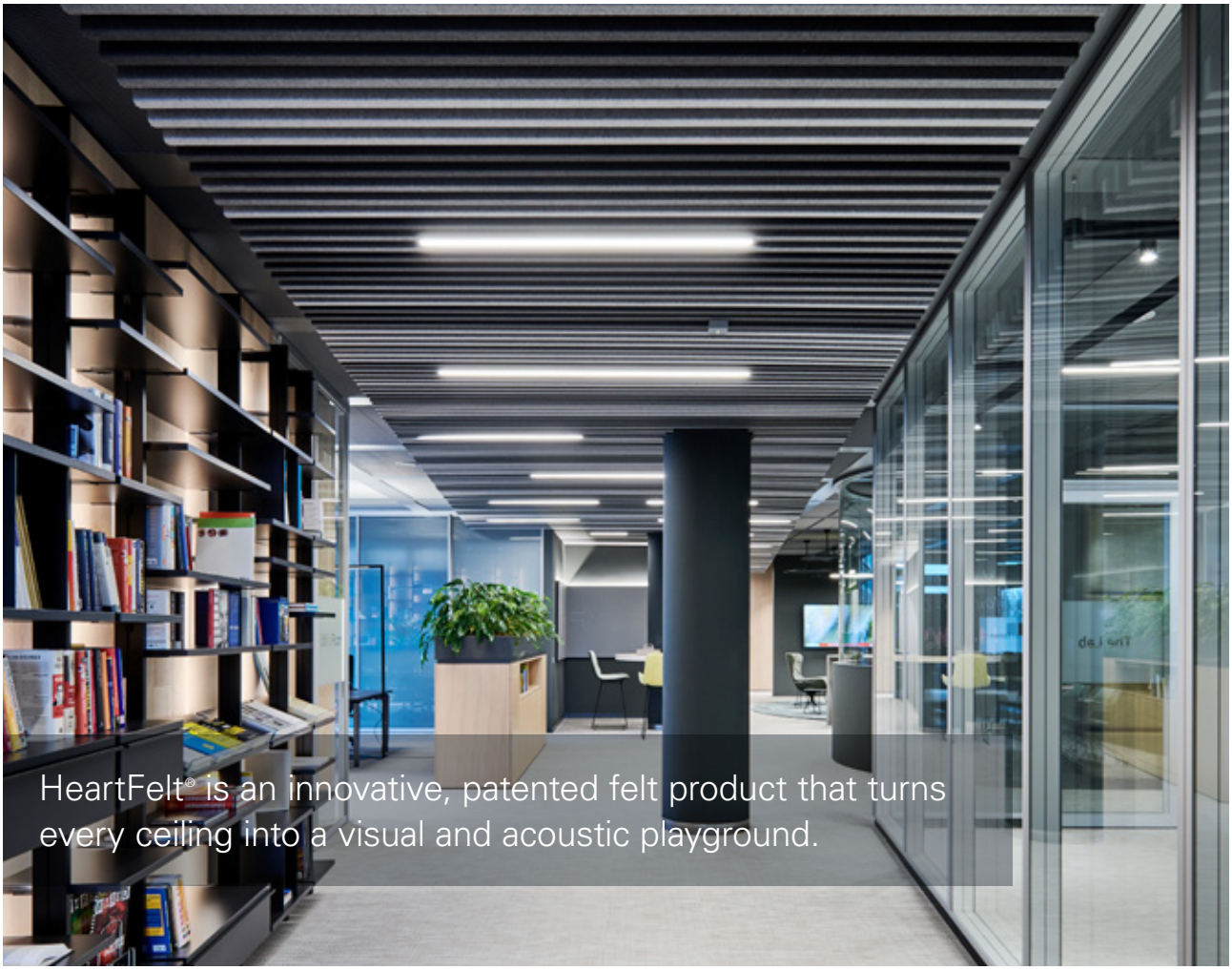
HEARTFELT® CEILINGS

HEARTFELT® LINEAR 28

HEARTFELT® BAFFLES 32

HEARTFELT® ORIGAMI 34

COMBI-LINE 38



Project: Office, Gutersloh, Germany - Product: HeartFelt® Linear

KEY FEATURES

- Modular ceiling system with felt panels
- Panel dimensions
  Boxshaped : 40 x 55 mm, 40 x 80 mm and 40 x 105 mm
  Rounded : 40 x 64 mm
- Panel length 1000 to 6000 mm
  Panel length (40 x 105 mm) max. 4000 mm
- Sixteen standard carrier modules to vary reveal (M50-M200) for acoustics and aesthetics
- Easy plenum access
- Interior applications
- Also available as wall solution
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

reddot award 2017
best of the best

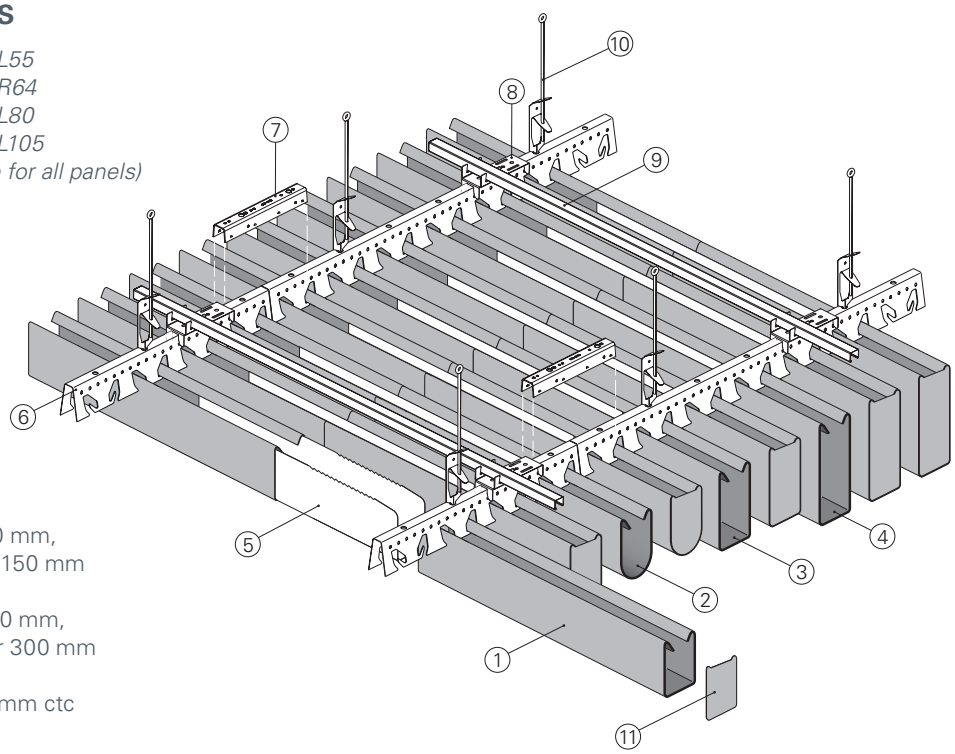
Production by Hunter Douglas Ceiling Center

EN 13964
E1

A+

TYPICAL ISOMETRICS

1 = HeartFelt® panel 40HL55
2 = HeartFelt® panel 40HR64
3 = HeartFelt® panel 40HL80
4 = HeartFelt® panel 40HL105
5 = Panel splice (available for all panels)
6 = Carrier
7 = Carrier splice
8 = Stabilisation bracket
9 = Stabilisation profile
10 = Suspension
11 = Endcaps

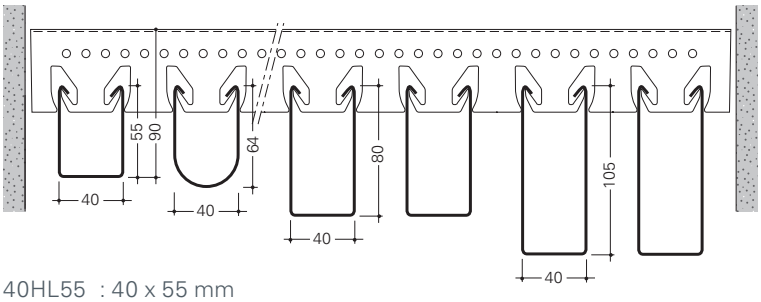


Maximum panel span 1200 mm,
maximum panel cantilever 150 mm

maximum carrier span 1500 mm,
maximum carrier cantilever 300 mm

Stabilisation profiles 3000 mm ctc

TYPICAL SECTIONS



40HL55 : 40 x 55 mm
40HR64 : 40 x 64 mm
40HL80 : 40 x 80 mm
40HL105 : 40 x 105 mm

ACOUSTICS

See page 360 for acoustic performance information

PHYSICAL DATA

B-s1,d0

Varies with colour

40HL55 M50:
α_w = 0.70 (H)
40HL105 M200:
α_w = 0.40 (H)

40HL55 M50:
4.6 kg/m²
40HL105 M200:
1.3 kg/m²

Class B

OPTIONAL

Colours:
See page 30

Wall apllication
see page 288

Sports apllication
see page 320

COLOURS

Colours are for illustration purposes only.

SHADES OF GREY (40HL55, 40HR64, 40HL80 AND 40HL105)



White 7593 | Light Grey 7596 | Middle Grey 7597 | Dark Grey 7598 | Black 7594

EARTH TONES (ONLY 40HL55)



Creme 7575 | Light Brown 7576 | Medium Brown 7577 | Dark Brown 7578 | Umber 7579

ACOUSTICAL RATINGS - α_w

Panel 40HL55 and 40HR64

Module (mm)	Joint (mm)	Openness %	α_w
M50	10	20%	0.70 (H)
M60	20	33%	0.65 (H)
M70	30	43%	0.60 (H)
M80	40	50%	0.50 (H)
M90	50	55%	0.45 (H)
M100	60	60%	0.45 (H)

Panel 40HL55 (with Akotherm acoustical Lay-On pad)

Module (mm)	Joint (mm)	Openness %	α_w
M80	open	Akotherm 40 mm D20	0.85
M80	open	Akotherm 40 mm D40	0.90
M80	open	Akotherm 25 mm D20	0.70
M80	open	Akotherm 20 mm D40	0.75 (H)
M60	open	Akotherm 40 mm D40	0.95
M100	open	Akotherm 40 mm D40	0.85 (H)

Report: Peutz A 3211-1E-RA-001

Panel 40HL80

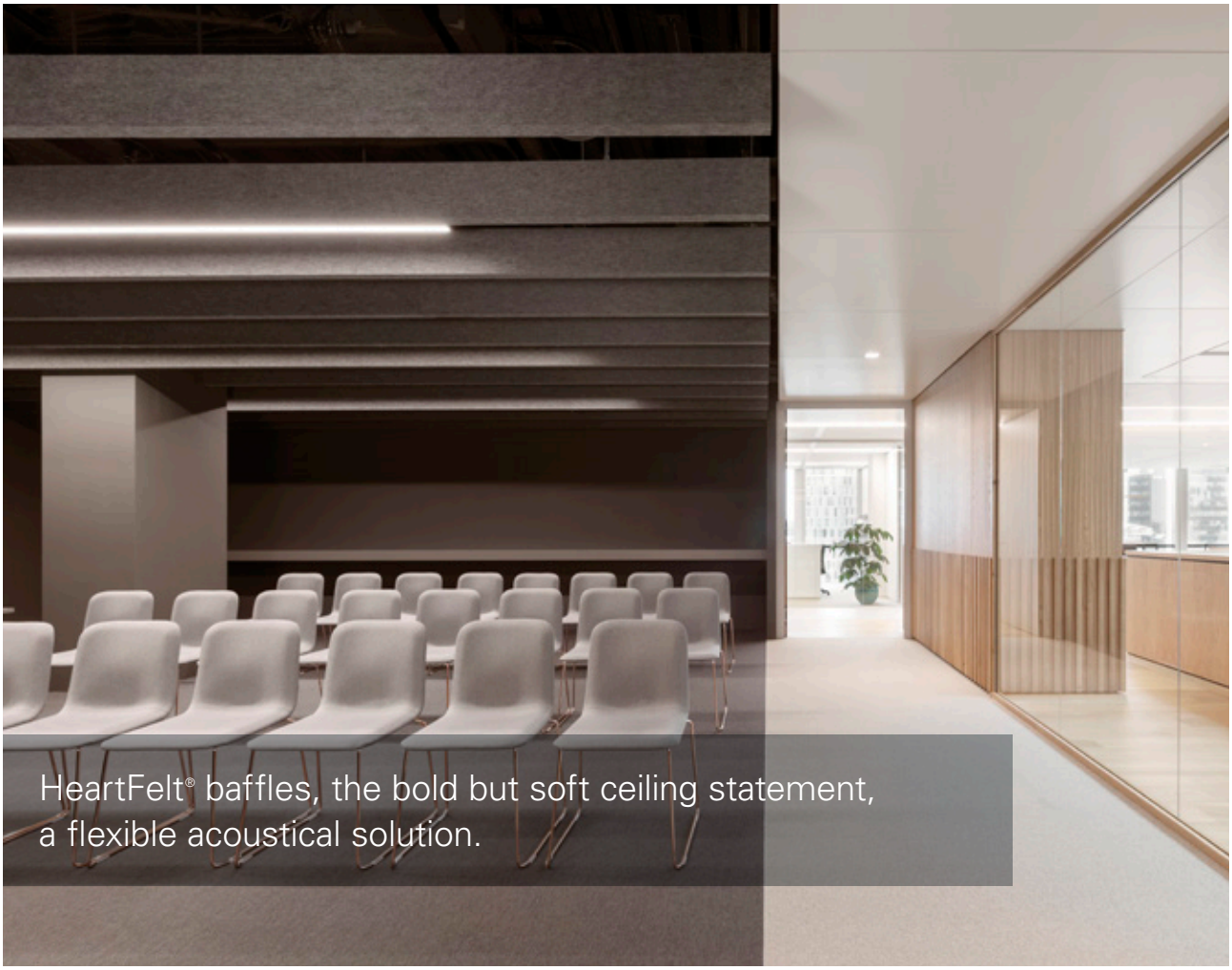
Module (mm)	Joint (mm)	Openness %	α_w
M80	40	50%	0.50 (H)
M90	50	55%	0.47 (H)
M100	60	60%	0.45 (H)
M150	110	73%	0.40 (H)

Panel 40HL105

Module (mm)	Joint (mm)	Openness %	α_w
M100	60	60%	0.50 (H)
M110	70	64%	0.48 (H)
M120	80	67%	0.47 (H)
M150	110	73%	0.42 (H)
M200	160	80%	0.38 (H)



Project: Cantina di David, Utrecht, The Netherlands - Product: HeartFelt® Linear - Architect: Brendan Bakker



Project: Denton, Amsterdam, The Netherlands - Product: HeartFelt® Baffles - Archtect: Studio Prototype

KEY FEATURES

- Modular Felt baffle system
- Five shades of grey
- Flat/efficient transport
- Profile lengths 200 mm to 2000 mm
- Standard dimensions 40 x 200 mm, 50 x 250 mm and 80 x 400 mm
- Other dimensions: on request
- Standard FE carrier 25 x 24 mm, black
- Easy installation and low risk for damages
- On site waste reduction with factory fabricated dimensional material
- Interior applications
- Easy plenum access

reddot winner 2020

Production by Hunter Douglas Ceiling Center

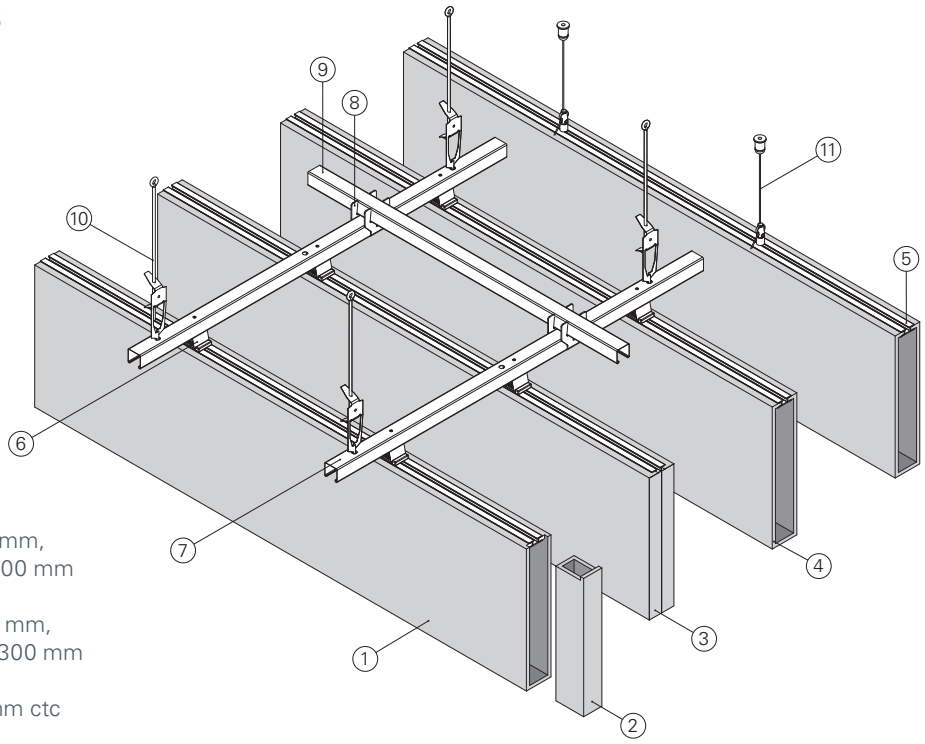
EN 13964
E1

A+

TYPICAL ISOMETRICS

1 = Baffle
2 = End cap
*3 = Baffle (closed)**
4 = Baffle (Open)
5 = Mounting profile
6 = Mounting clip
7 = Carrier
8 = Stabilisation bracket
9 = Stabilisation profile
10 = Quick hanger
11 = Wire hanger

** Length restrictions*



Maximum panel span 1900 mm,
maximum panel cantilever 500 mm

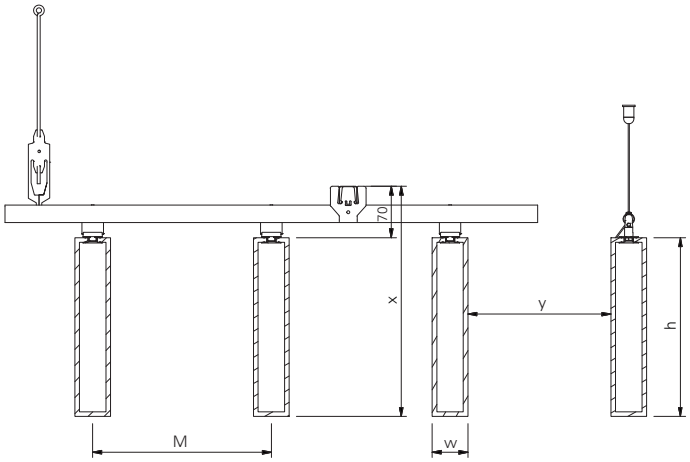
maximum carrier span 1200 mm,
maximum carrier cantilever 300 mm

Stabilisation profiles 2400 mm ctc

TYPICAL SECTIONS

x = h+70
h = baffle height
(100 - 500 mm)
w = baffle width
(40 - 80 mm)

M = module
(recommended w+h)
y = baffle distance
(recommended h)



ACOUSTICS

See page 363 for acoustic performance information

PHYSICAL DATA

B-s1,d0
EN 13501-1

Varies with colour

Class B
EN 13964

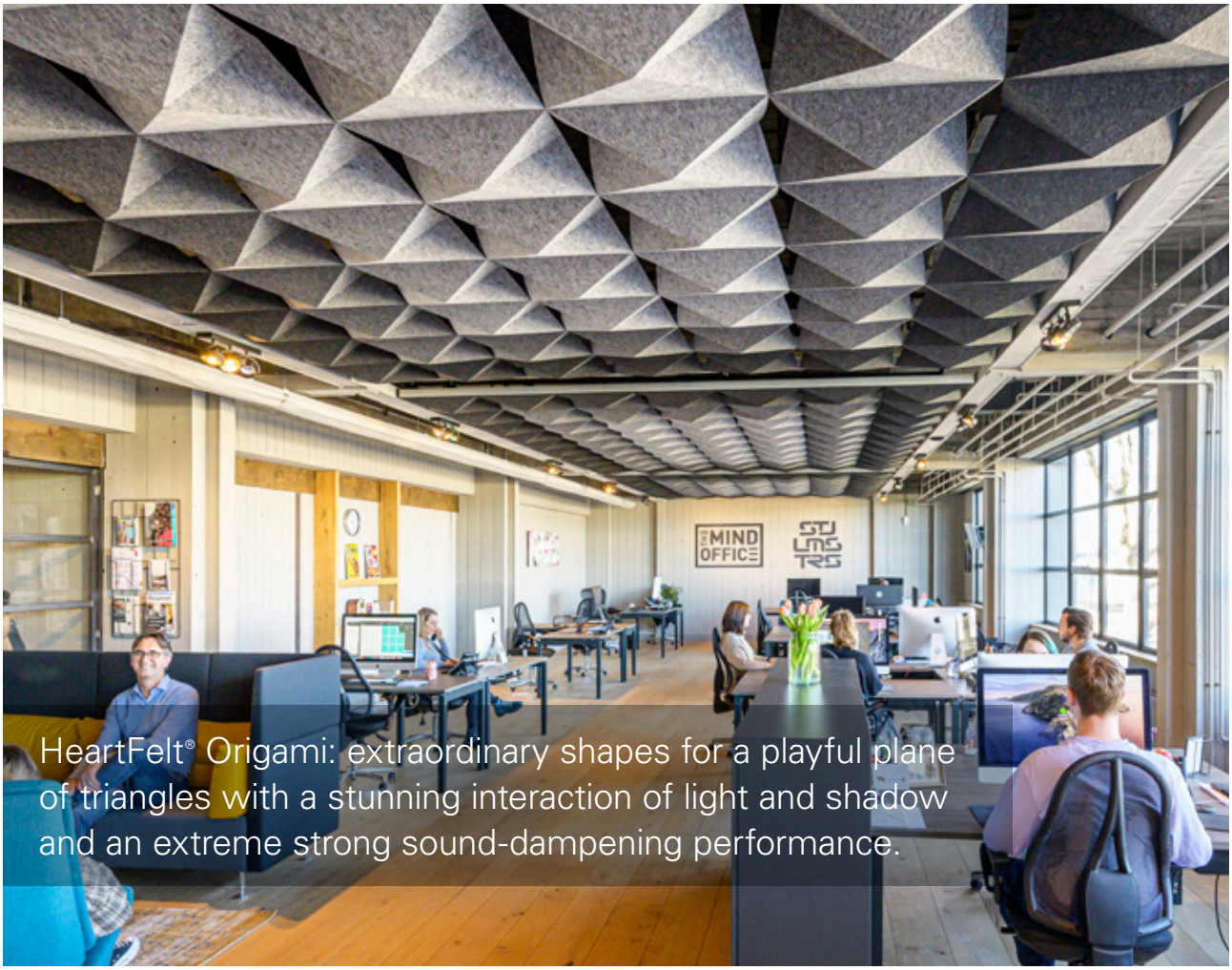
50HB250 M250:
α_w = 0.50 (H)
50HB250 M500:
α_w = 0.45 (H)

80HB100 M190:
5.0 kg/m²
40HB500 M540:
2.4 kg/m²

OPTIONAL

Colours:
See page 36

ORIGAMI
HEARTFELT®



HeartFelt® Origami: extraordinary shapes for a playful plane of triangles with a stunning interaction of light and shadow and an extreme strong sound-dampening performance.

Project: TMO, Vlaardingen, The Netherlands - Product: HeartFelt® Origami - Archtect: Hunter Douglas Architectural

KEY FEATURES

- Great acoustic performance
- Available in 5 different dimensions
- Other dimensions: on request
- Standard FE carrier 25 x 24 mm, black
- Easy installation and low risk for damages
- Easy to maintain: dirt and dust resistant
- Easily reusable or 100% recyclable
- Interior applications
- Swing-down system for easy plenum acces

OEKO-TEX® CONFIDENCE IN TEXTILES STANDARD 100 1702004 Centexbel Tested for harmful substances. www.oeko-tex.com/standard100

ECO PLATFORM EPD EN 15804 VERIFIED

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

Production by Hunter Douglas Ceiling Center

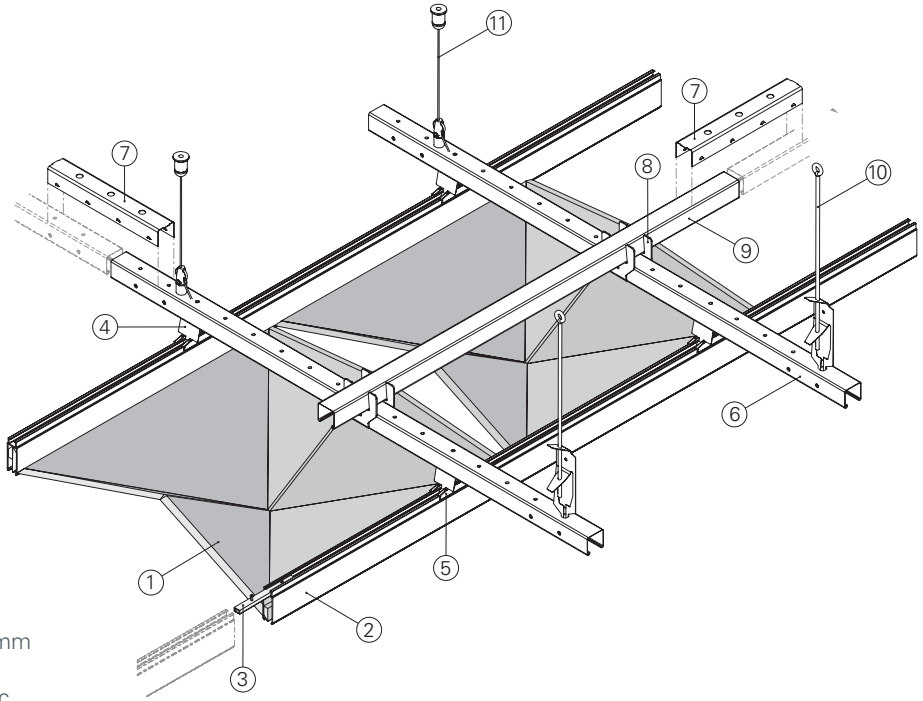
EN 13964

E1

A+ A B C

TYPICAL ISOMETRICS

1 = Origami tile
2 = Mounting profile
3 = Mounting profile splice
4 = Mounting clip
5 = Locking clip
6 = Carrier
7 = Carrier splice
8 = Stabilisation bracket
9 = Stabilisation profile
10 = Quick hanger
11 = Wire hanger

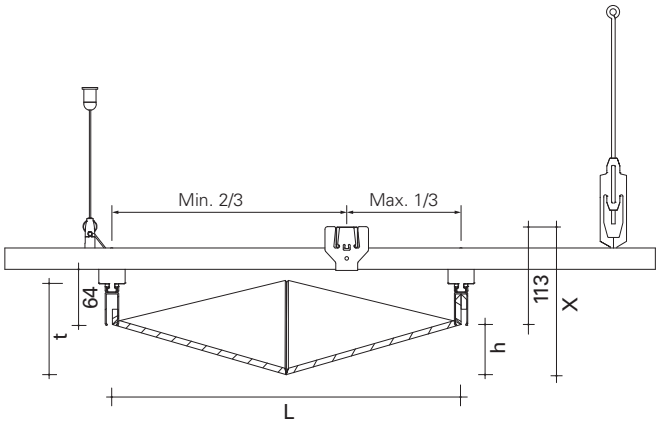


maximum carrier span 1200 mm,
maximum carrier cantilever 250 mm

Stabilisation profiles 2400 mm ctc

TYPICAL SECTIONS

L	w	h	t	X
400	400	57	111	170
600	600	86	165	199
600	400	68	127	181
900	600	102	187	215
400	600	68	135	181



ACOUSTICS

See page 361 - 362 for acoustic performance information

PHYSICAL DATA

B-s1,d0
EN 13501-1

Varies with colour

α_W = 0.80 or
α_W = 0.75 (H)
Depends on panel size

2.2 - 2.7 kg/m²

Class A and B
EN 13964

OPTIONAL

Colours:
See page 36

COLOURS

Colours are for illustration purposes only.

SHADES OF GREY



White 7593 | Light Grey 7596 | Middle Grey 7597 | Dark Grey 7598 | Black 7594

ACOUSTICAL RATINGS - α_w

Baffle option 1 - *Sound absorption baffle ceiling (α_w)*

Baffle type	Module	Mounting	α_w	SAA/ NRC	Class
50HB250	M250	Type A	0.50 (H)	0.60	D
50HB250	M500	Type A	0.45 (H)	0.49	D

Baffle option 2

Equivalent sound absorption per element (m^2 O.W.)

The table Below shows the test results for Baffle panels:

- Length 1800 mm.
- Mounting type A

Baffle type	Module	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
40HB200	random	0.11	0.35	0.59	0.60	0.76	0.81
50HB250	random	0.16	0.50	0.67	0.76	0.92	0.97
80HB400	random	0.41	0.79	0.90	1.19	1.31	1.43
50HB250	250	0.09	0.25	0.27	0.36	0.49	0.52
50HB250	500	0.16	0.38	0.44	0.54	0.73	0.76

Note: 50HB250 baffle, witdth = 50 mm and height = 250 mm

Origami panel 600HO600

Module (mm)	Joint (mm)	Openness %	α_w
M600	Closed	7.61	0.80

Origami panel 400HO600

Module (mm)	Joint (mm)	Openness %	α_w
M400	Closed	4.84	0.80

Origami panel 600HO400

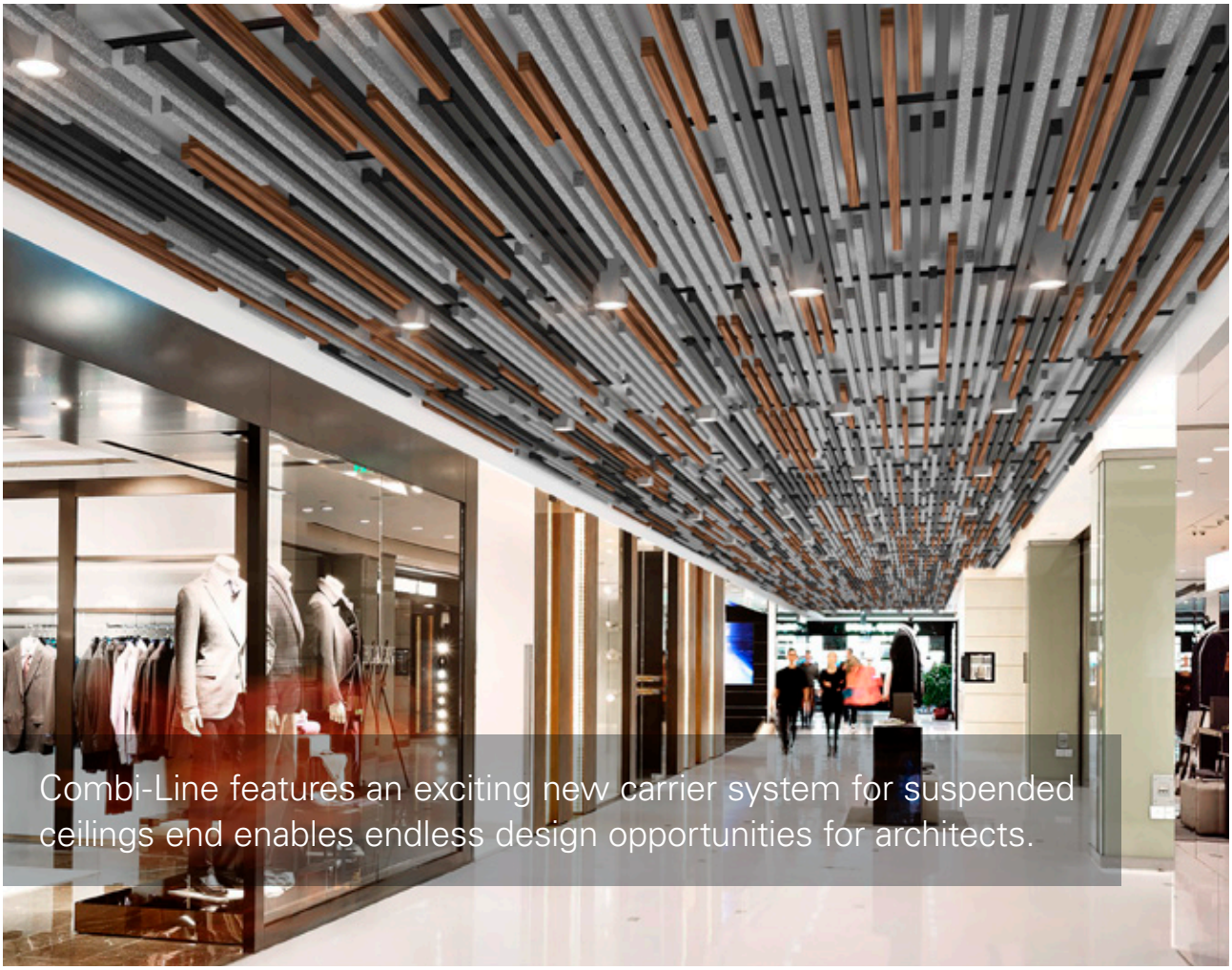
Module (mm)	Joint (mm)	Openness %	α_w
M600	Closed	10.29	0.75(H)

Origami panel 900HO600

Module (mm)	Joint (mm)	Openness %	α_w
M600	Closed	10.29	0.75(H)



Project: Architect Office TOA, Paris, France - Product: HeartFelt® Baffles - Architect: TOA



Product: Combi-Line - Pattern: Play

KEY FEATURES

- Modular linear combiceiling system with felt panels Standard modulation 50 mm, custom modulations on request
- All mounted on one carrier
  - HeartFelt® panel dimensions 30 x 60 mm
  - Wood panel dimensions 30 x 60 mm
  - Metal panel dimensions 30 x 39/64 mm
- Panel length 1000 to 6000 mm
- System height : 94.4 mm
- Three themes and four style groups for spectacular designs
- Easy plenum access
- Interior applications
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

reddot award 2017
best of the best

The mark is responsible forestry

Promoting sustainable forest management www.pefc.org

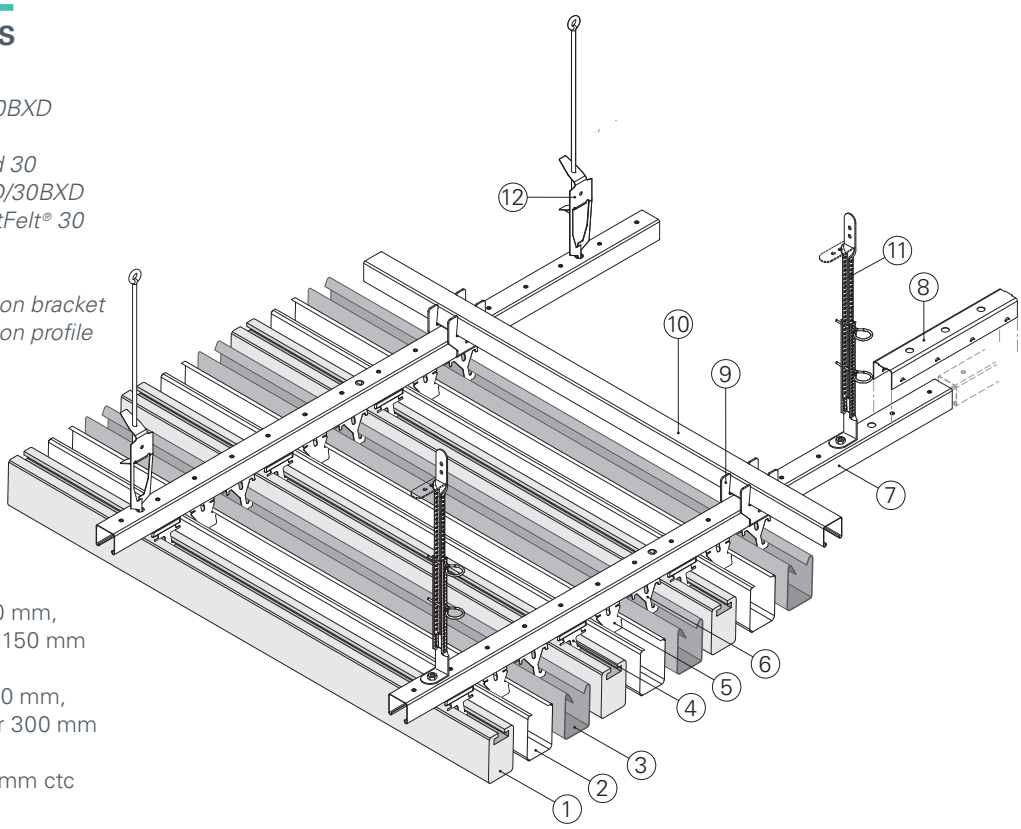
Production by Hunter Douglas Ceiling Center

EN 13964
E1

A+

TYPICAL ISOMETRICS

1 = Wood panel 30WL60
2 = Metal Linear 30BD/30BXD
3 = HeartFelt® 30HL60
4 = Combi-Line clip wood 30
5 = Combi-Line clip 30BD/30BXD
6 = Combi-Line clip HeartFelt® 30
7 = Universal Carrier
8 = Carrier splice
9 = Combi-Line stabilisation bracket
10 = Combi-Line stabilisation profile
11 = Nonius hanger
12 = Quick hanger

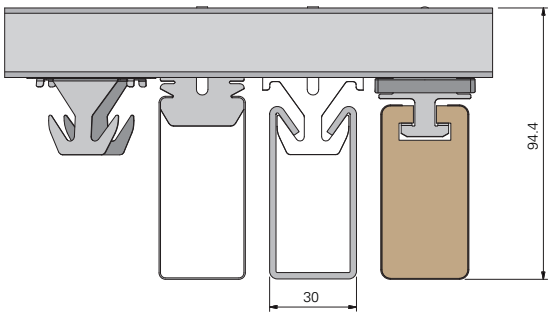


Maximum panel span 1200 mm,
maximum panel cantilever 150 mm

maximum carrier span 1500 mm,
maximum carrier cantilever 300 mm

Stabilisation profiles 2400 mm ctc

TYPICAL SECTIONS

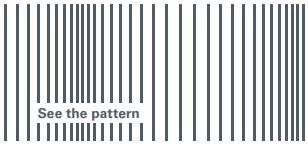


PATTERNS

Play
Combination of materials in 1 module.



Repeat
Combination of materials in variable modules and variable densities.



Pause
Random patterns with one or more materials featuring ruptured lines.



PHYSICAL DATA

See individual material data

Varies with colour

Class

30HL60 M50:
α_W = 0.70 (H)
30BXD:
α_W = 0.55 (H)

Kg

Depends on material and module

A B C D

Class A and B
EN 13964

OPTIONAL

Colours:
See page 40

COLOURS AND FINISHES

The unique modular nature of the Combi-Line system allows the designer to design a creation from four colour combinations and four completely different ceiling styles, each with its own unique colour and finish.

There is a wide selection of materials and products available to enable the architect to be truly creative with the room space he or she is creating. Each style group consists of a selection of materials that helps create a mood board and a matching space where the product can be applied.

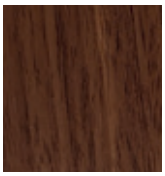
FOUR STYLE GROUPS

Combi-Line system is available in four colour styles and a variety of materials.

Modest Elegance

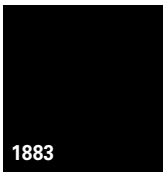
: A style that matches interiors characterized by understated luxury.

Material choice : *Dark matt metal, luxurious wood types such as walnut and oak and deep dark HeartFelt® shades.*


Veneer walnut



HeartFelt® black



Metal matt black



HeartFelt® dark grey



Metal matt grey



HeartFelt® middle grey


Veneer European Oak

Natural Purity

: A style that matches a pure and natural interior.

Material choice : *Warm umber tones HeartFelt®, warm deep wood tones such as walnut and cherry, with even the metal range available in similar tones.*


Veneer cherry


Veneer walnut



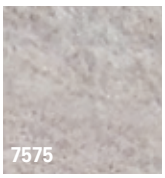
HeartFelt® umber



HeartFelt® medium brown



Metal warm beige



HeartFelt® creme

Metal grey-white

Linear Minimalist

: A style that matches the sleek minimalist interior.

Material choice : *Greyed shades of HeartFelt® combined with silver, black and white metal.*



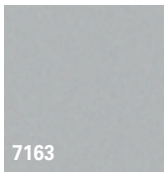
Metal matt black



HeartFelt® black



HeartFelt® light grey



Metal metallic



HeartFelt® white

Metal matt white

Soft Scandinavian

: A style that is characterized by light colours and a soft yet business-like minimal appearance.

Material choice : *Light metallic colours interspersed with soft greyish HeartFelt® shades and light wood.*


Veneer maple


Veneer oak


Veneer bamboo

Metal moss green



HeartFelt® light grey



HeartFelt® white

Metal matt Scandinavian white



Product: Combi-Line - Pattern: Repeat



Project: Chirec LOT 23, Brussel, Belgium
Architect: Assar Architects
Product: Solid Wood Grill

WOOD SOLUTIONS

The Wood Solutions for ceilings and walls provides you a wide selection of natural looks, that are as durable as they are distinctive. Whether choosing our solid wood panels, wood veneered solutions or natural looking woodprints, all will bring a natural feel to any project.













Project : Amity University Dubai
Architect: IR Design
Product : Nano perforated Veneered Wood panels

"AN EYE-CATCHING ENTRANCE WITH SUPERIOR ABSORPTION QUALITIES"

Hunter Douglas Architectural created an eye-catching entrance for the flagship campus of Amity University in Dubai, comprising a wood panel wall and ceiling system that spreads across the atrium.

Interior design specialists IR Design specified the new range of wooden ceiling and wall system because it enabled them to create a seamless look.

The system has nano-perforations that contain countless microscopic perforations - hardly visible to the naked eye and providing superior absorption qualities. Another design detail was the direction of the wood grain and veneer on each panel of the 1800 m^2 of cherry veneer that had to match perfectly. This required each 1200 x 600 mm panel to be numbered so that it could be installed in the correct position and place.

The microscopic nano-perforated panels have an acoustic value up to α_W: 0.95 compared to standard perforations, which achieve about α_W: 0.75.



Project: University Of Greenwich Student Hub, Greenwich, United Kingdom
Architect: Dannatt Johnson Architects
Product: Solid Wood Linear



Project: Cluj Arena, Cluj-Napoca, Romania
Architect: Dico si Tiganas
Product: Veneered Wood Linear Ceiling and Wall Panels

WOOD SOLUTIONS

SOLID WOOD LINEAR 48

SOLID WOOD GRILL 50

VENEERED WOOD LINEAR 54

VENEERED WOOD GRILL 60

VENEERED WOOD TILES 66

VENEERED WOOD TOPLINE 76

METAL WOODPRINT 80

CONCRETE VENEER - PRESTIGE 84



Project: Edenbrook Leisure Centre, Fleet, United Kingdom - Product: Solid Wood Linear, open - Architect: GT3 Architects

KEY FEATURES

- Interior applications
- Three ceiling solutions: Linear Open, Multi-panel & Linear Closed, fixed or 50% demountable
- Panel widths from 63 mm up to 184 mm
- Mixed length with a minimum of 900 mm, manufactured inclusive tongue and groove connection. Fixed length on request
- Panel thickness from 15 up to 20 mm
- Available in different modules and joint width
- With the multi-panel system various widths can be combined to create a dynamic look and feel
- Other sizes are available upon request
- The standard colours of the non woven tissue between the joint is black, white or grey. Other options on request
- Quick and invisible mounting according to a fixed pattern due to the specially developed fixing method
- Budgetary flexibility with over 15 wood species within various price categories
- High-quality finishing against moisture, dust and dirt. Transparent or wide range of colours available
- Curved, undulating and special shapes possible
- Special system coatings available for humid area application
- Compatible with industry standard lighting, HVAC, speaker, fire safety and security services
- Certified: FSC, PEFC, Cradle to Cradle silver
- Integral guarantee for support systems, wood, finish and fire retardance
- Contribution to obtaining credits within BREEAM and LEED

Produced and certified by Derako International

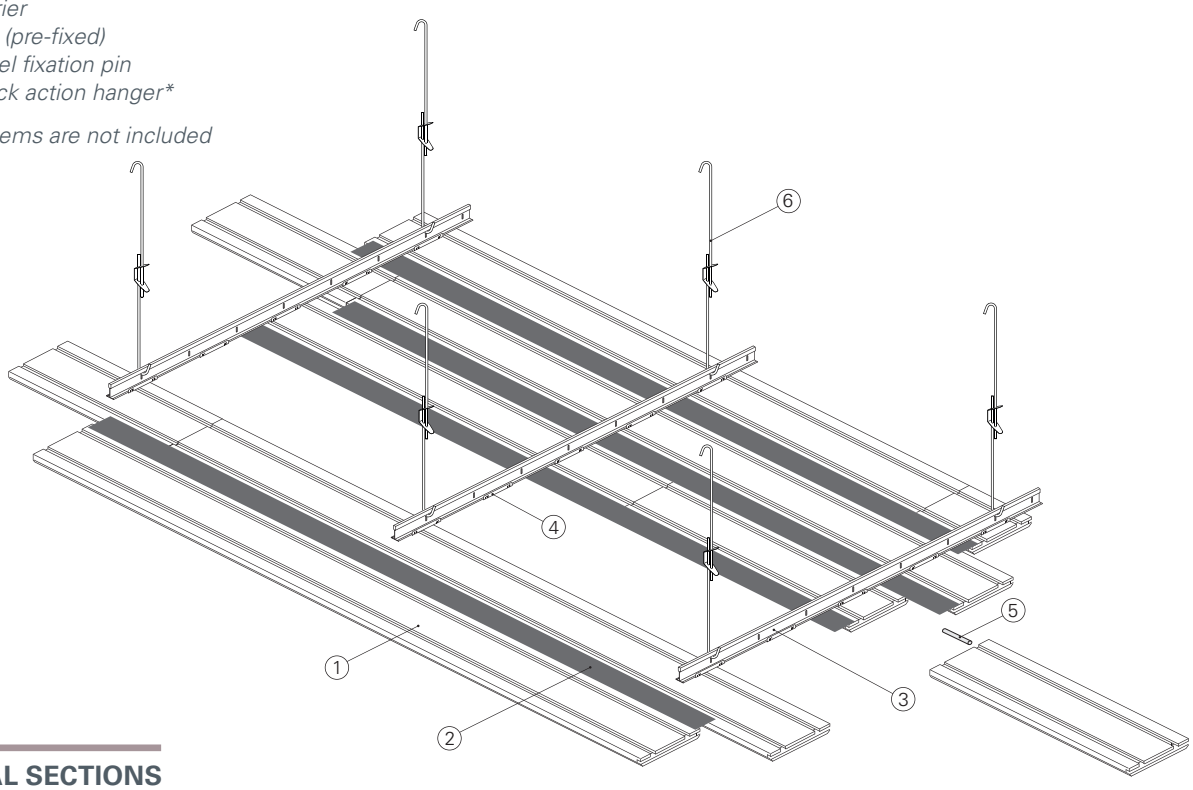
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E1

A+

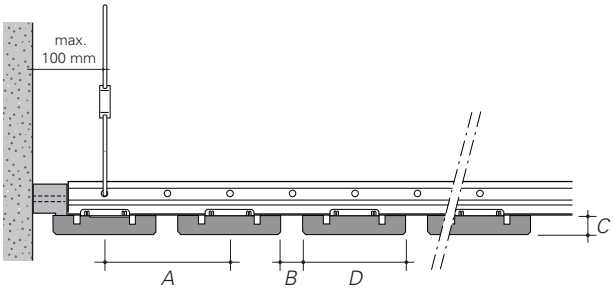
TYPICAL ISOMETRICS

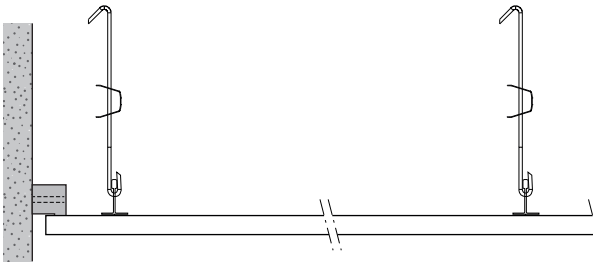
1 = Solid Wood Linear panel
2 = Pre-applied acoustic non woven tissue
3 = Carrier
4 = Clip (pre-fixed)
5 = Panel fixation pin
*6 = Quick action hanger**

**These items are not included*



TYPICAL SECTIONS





A = Module
B = Joint
C = Panel thickness
D = Panel width

PHYSICAL DATA

B-s2,d0 According to EN 13501-1
B-s1,d0 available on request

α_W 0.30 - 0.50
See page 363

5.0 - 12.0 kg/m²

Moist cloth

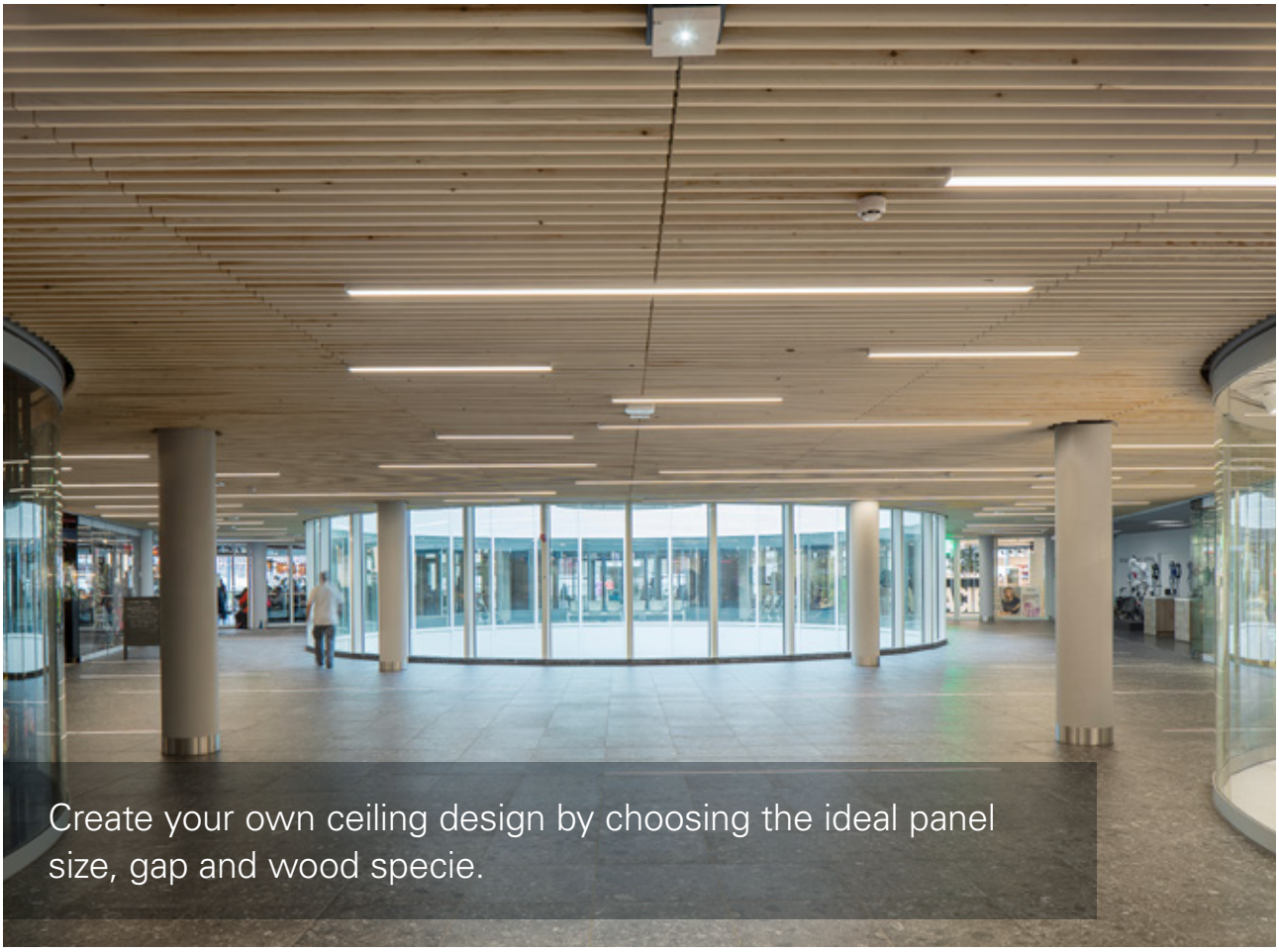
OPTIONAL

Colours:
See page 52

Exterior solutions:
See page 240

Wall solutions:
See page 292

SOLID WOOD
GRILL



Project: Chirec LOT 23, Brussel, Belgium - Product: Solid Wood Grill system - Architect: Assar Architects

KEY FEATURES

- Interior applications
- Made to measure wooden ceiling solution. Design the sizes of the slats and the distance between the slats. Together this will form the Grill element
- The slat thickness can be between 15 mm and 35 mm, depending per wood specie.
- The slat height can be between 35 mm and 140 mm, depending per wood specie
- The distance between the slats can be 25 mm up to 140 mm
- The length of the assembled grill elements will be determined by the structural conditions. This can vary between 590 mm and 3590 mm, depending on the available raw material
- The Grill element is available with 12 mm or 20 mm metal dowel. The standard colour is black, other colours are on request
- Easily and individually demountable
- Budgetary flexibility with over 15 wood species within various price categories
- Optionally supplied with acoustic non woven tissue cut to size of the panel
- High-quality finishing against moisture, dust and dirt. Transparent or wide range of colours available
- Curved, undulating and special shapes possible. Also radial panels and CNC milled panels on request available
- Compatible with industry standard lighting, HVAC, speaker, fire safety and security services
- Certified: FSC, PEFC, Cradle to Cradle silver
- Integral guarantee for support systems, wood, finish and fire retardance
- Contribution to obtaining credits within BREEAM and LEED

Produced and certified by Derako International

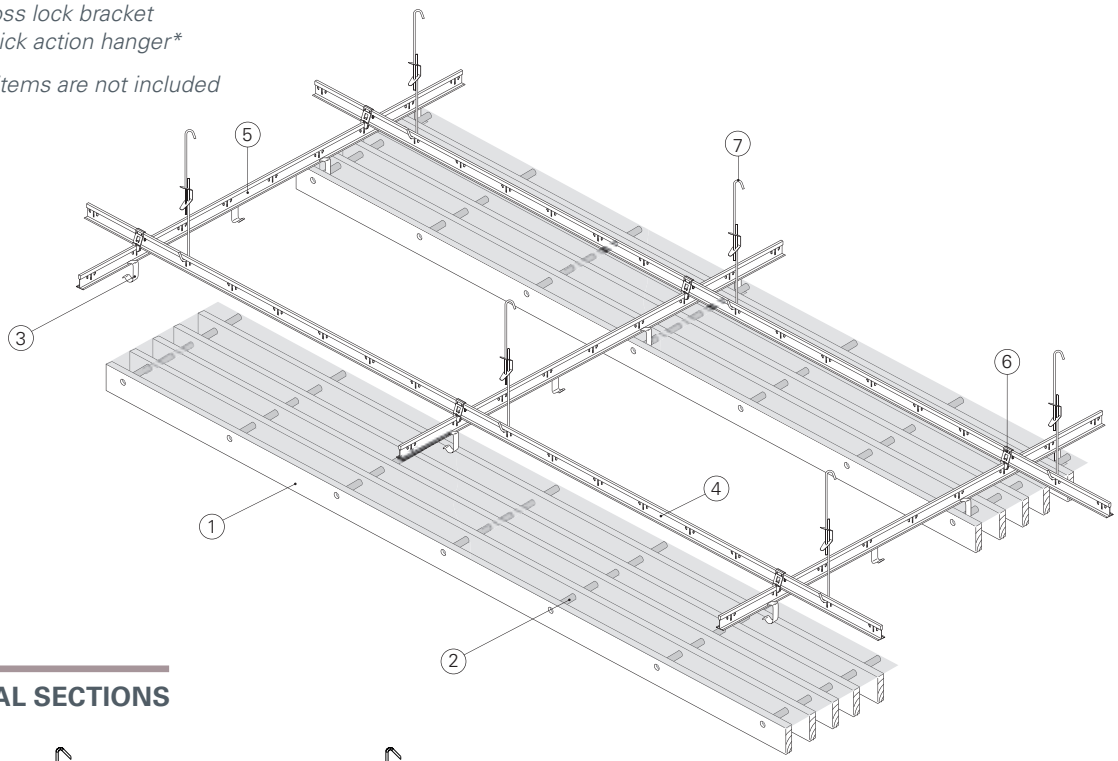
EN 13964
E1

A+

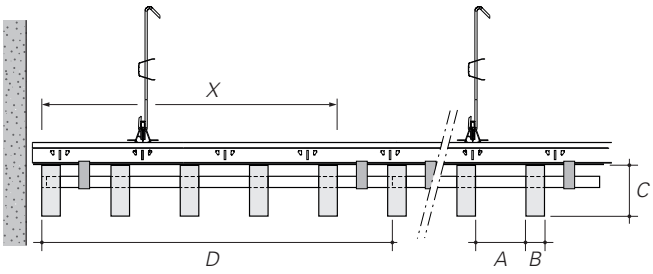
TYPICAL ISOMETRICS

1 = Solid Wood Grill Element
2 = Aluminum dowel
3 = Dowel clip
4 = Primary profile
5 = Secondary profile
6 = Cross lock bracket
*7 = Quick action hanger**

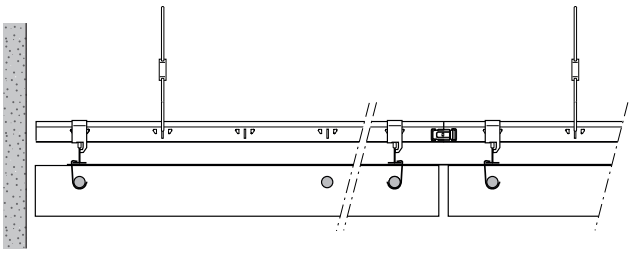
**These items are not included*



TYPICAL SECTIONS



A = Joint
B = Slat thickness
C = Slat height
D = Element width
X = Amount of slats



PHYSICAL DATA

B-s2,d0 According to EN 13501-1
B-s1,d0 available on request

α_W 0.30 - 0.50
See page 363

6.0 - 15.0 kg/m²

Moist cloth

OPTIONAL

Belgium only

Colours:
See page 52

Exterior solutions:
See page 242

Wall solutions:
See page 294

WOOD SPECIES AND FINISHES

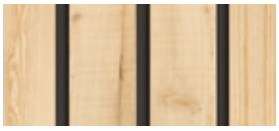
An extensive range of wood species is available, ranging from deep warm colours to the light wood tones. Other types of wood possibilities can be looked at on request. Standard, the wood is finishes in a transparent varnish. Optionally a wide range of colour is available. The finish adds a nice touch to the wood with the natural tones and structures of the wood being maintained. For each application the right system coating is determined that is necessary to protect the wood.

WOOD SPECIES


Accoya


American White Oak


African Ayous


Siberian Larch


Yellow Poplar


Yellow pine

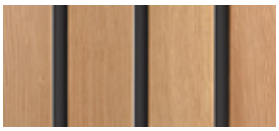

American Ash


European Pine

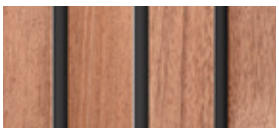

American Red Oak

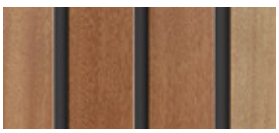

European Oak

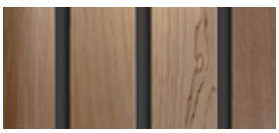

Cherry

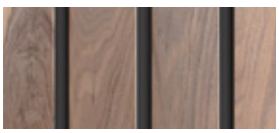

Oregon Pine


Cambara


Merbau


Mahogany

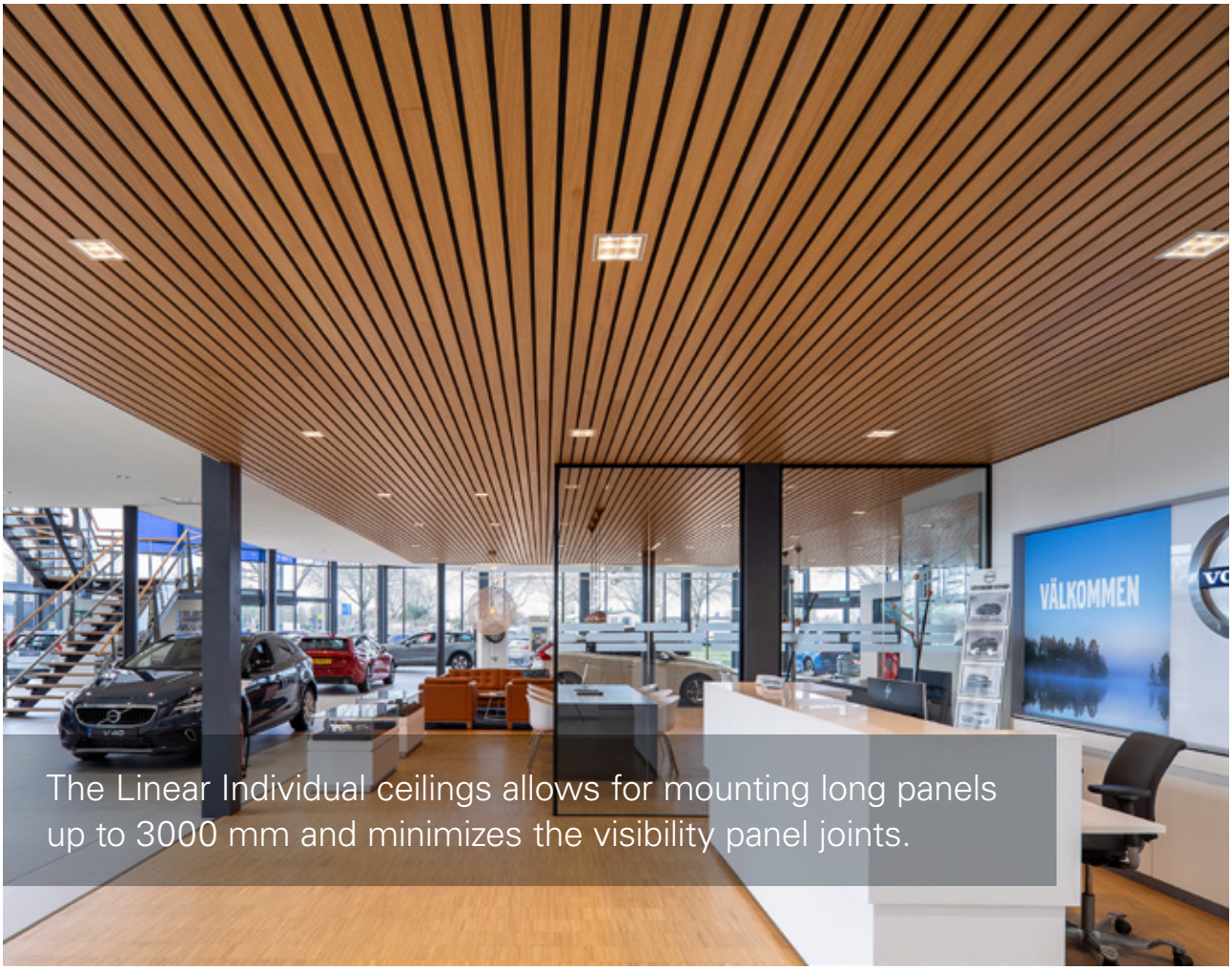

Western Red Cedar


American Walnut



Project: C.C. Plaza Genipa, Martinique, France - Product: Solid Wood Grill, African Ayous - Architect: Architectes CVZ

VENEERED WOOD
LINEAR INDIVIDUAL



The Linear Individual ceilings allows for mounting long panels up to 3000 mm and minimizes the visibility panel joints.

Project: Volvo Hooftman, Woerden, The Netherlands - Product: Veneered Wood Linear

KEY FEATURES

- Interior applications
- MDF core finished with wood veneer
- Multi-panel layouts possible, combining different widths
- Fire retardant and moisture resistant solutions
- Acoustic fleece to fill gaps
- Staining possibilities
- Available as wall solution
- Variety of organic or engineered wood veneers, FSC or PEFC certified
- Easy installation and demounting in standard T 24 grid
- Minimal joints between the panel connections
- Panel length: standard 2400 mm
- Panel width: 65 / 90 / 120 / 150 / 200 / 230 mm
- Joint width: 5 / 10 / 20 mm
- Panel thickness: 17 mm
- Other sizes and dimensions are available upon request

FSC
The mark is responsible forestry

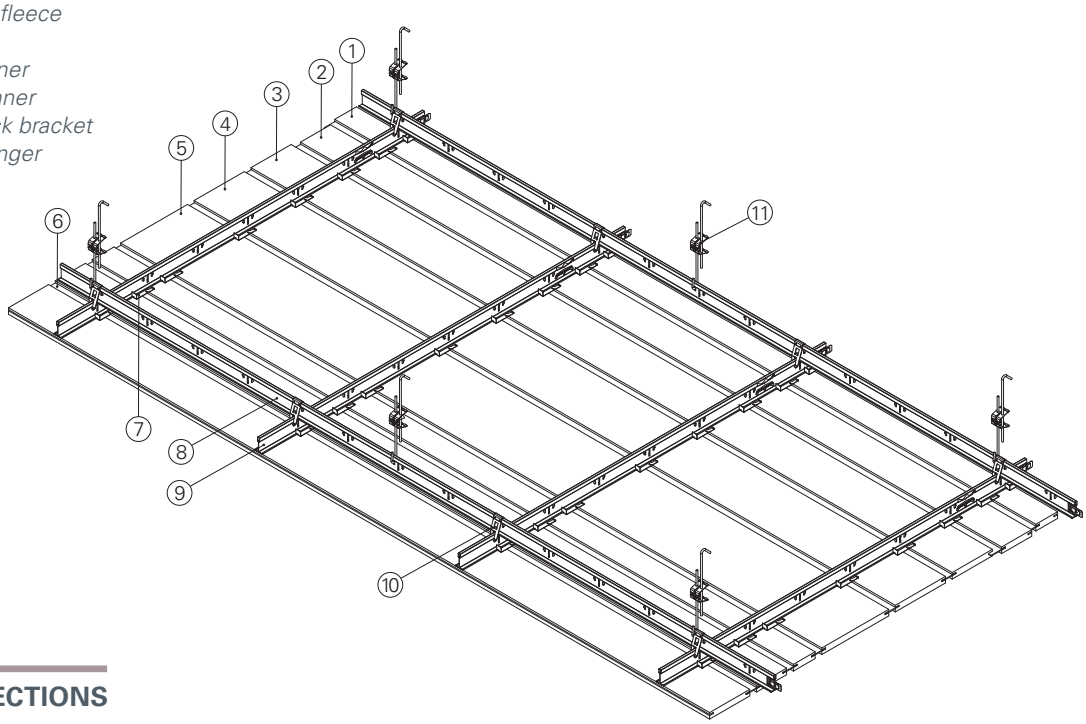
PEFC
Promoting sustainable forest management www.pefc.org

EN 13964
E1

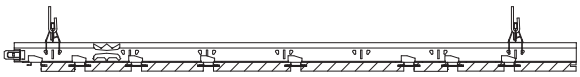
A+ A B C
A+

TYPICAL ISOMETRICS

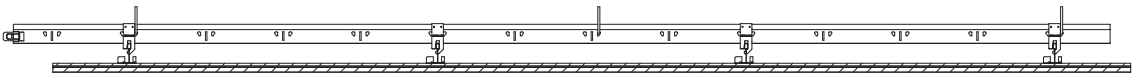
1 = Linear Panel W=65 mm
2 = Linear Panel W=90 mm
3 = Linear Panel W=120 mm
4 = Linear Panel W=150 mm
5 = Linear Panel W=200 mm
6 = Acoustic fleece
7 = Turn clip
8 = Main runner
9 = Cross runner
10 = Cross-lock bracket
11 = Quick hanger



TYPICAL SECTIONS



Section A-A'



Section B-B'

PHYSICAL DATA

B-s2,d0 according to EN 13501-1

Up to α_W 0.50
See page 363

Acoustic cloth:
Black

10.0 - 15.0 kg/m²

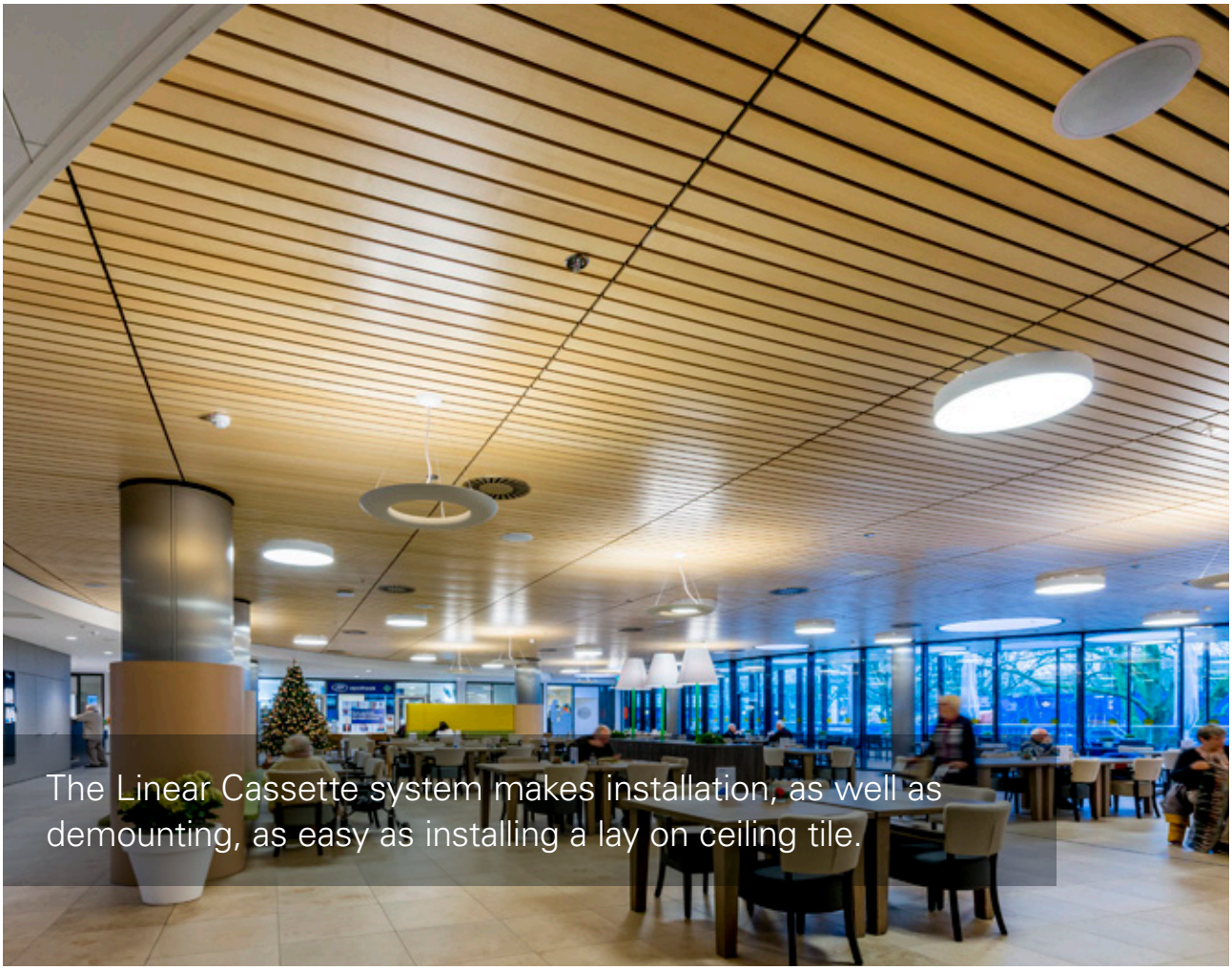
Moist cloth

OPTIONAL

Colours:
See page 58

Wall solutions:
See page 298

VENEERED WOOD
LINEAR CASSETTE



Project: Zinn, Groningen, The Netherlands - Product: Veneered Wood Linear cassette, Essen, clear lacquer - Architect: Team 4 architecten

KEY FEATURES

- Interior applications
- MDF core finished with wood veneer
- Multi-panel layouts possible, combining different widths
- Fire retardant and moisture resistant solutions
- Acoustic fleece to fill gaps
- Staining possibilities
- Available as wall solution
- Variety of organic or engineered wood veneers, FSC or PEFC certified
- Easy installation and demounting
- Cassette dimensions: 600 x 600 mm / 1200 x 600 mm
- Panel width: 65 / 90 / 120 / 150 / 200 mm
- Joint width: depends on panel width
- Panel thickness: 17 mm
- Other sizes and dimensions are available upon request

FSC
The mark is responsible forestry

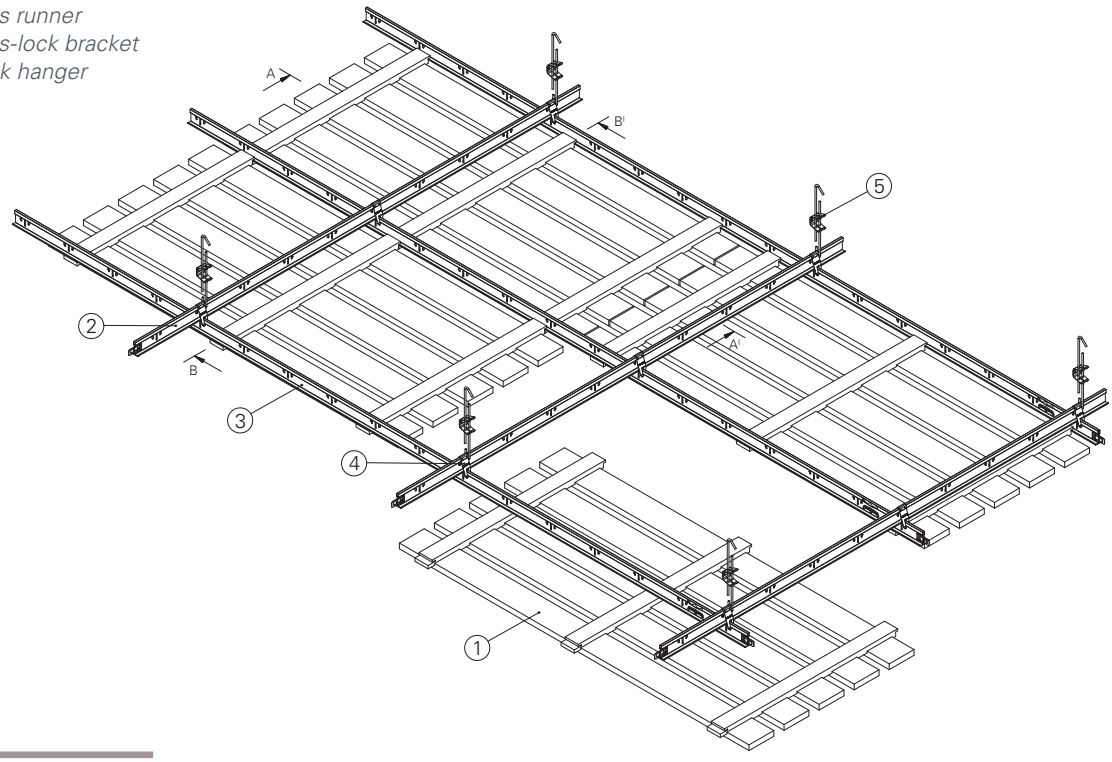
PEFC
Promoting sustainable forest management www.pefc.org

EN 13964
E1

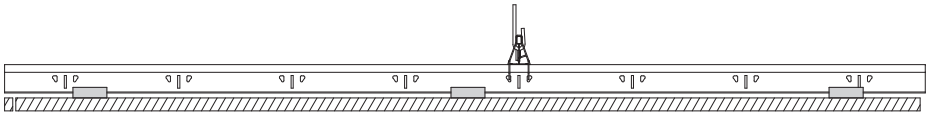
A+
A+ A B C

TYPICAL ISOMETRICS

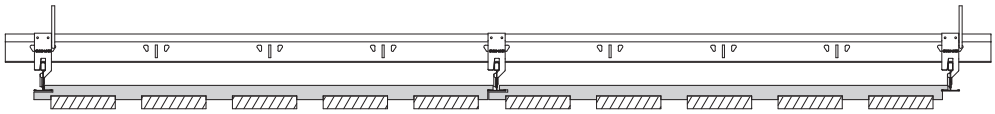
1 = Linear Cassette
2 = Main runner
3 = Cross runner
4 = Cross-lock bracket
5 = Quick hanger



TYPICAL SECTIONS



Section A-A'



Section B-B'

PHYSICAL DATA

B-s2,d0 According to EN 13501-1

Up to α_W 0.50
See page 363

Acoustic cloth:
Black

10.0 - 15.0 kg/m²

Moist cloth

OPTIONAL

Colours:
See page 58

Wall solutions:
See page 298

WOOD SPECIES

Hunter Douglas offers a wide choice of wood species and finishes. As wood is a 100% natural product, the images below can differ from actual samples or products. Please request a sample at your nearest sales office.

ORGANIC VENEERS

Organic veneer is a natural material sliced from tree logs without alterations or enhancements. This veneer types shows all the characteristics and intrinsic patterns of the tree, caused by the natural influences during his lifetime, making each veneer unique.


Birch


Spruce


Unsteamed Beech


Steamed Beech


Sycamore


Cherry


Ash


Basswood


Hemlock


Maple


Gaboon

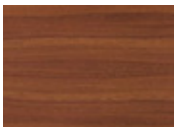

Zebrano


Bamboo Natural


Pine


Oak


Pear


Walnut


Chestnut

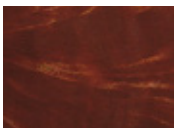

Yellow Poplar


Ayous


Red Oak


Bamboo Caramel


Teak


Sapeli Mahogany

Besides the wide range of Organic Veneers, Hunter Douglas also offers a selection of other finishes.

Engineered veneers
Engineered Veneer is a type of veneer that is known for their consistent appearance. Although Engineered Veneer is made from 100% wood, due to the special production process, a uniform look can be obtained.

High Pressure Laminate
Hunter Douglas works with some of the worlds leading HPL manufacturers. In most cases, we are able to apply HPL instead of veneer, to match other finishes in your project.

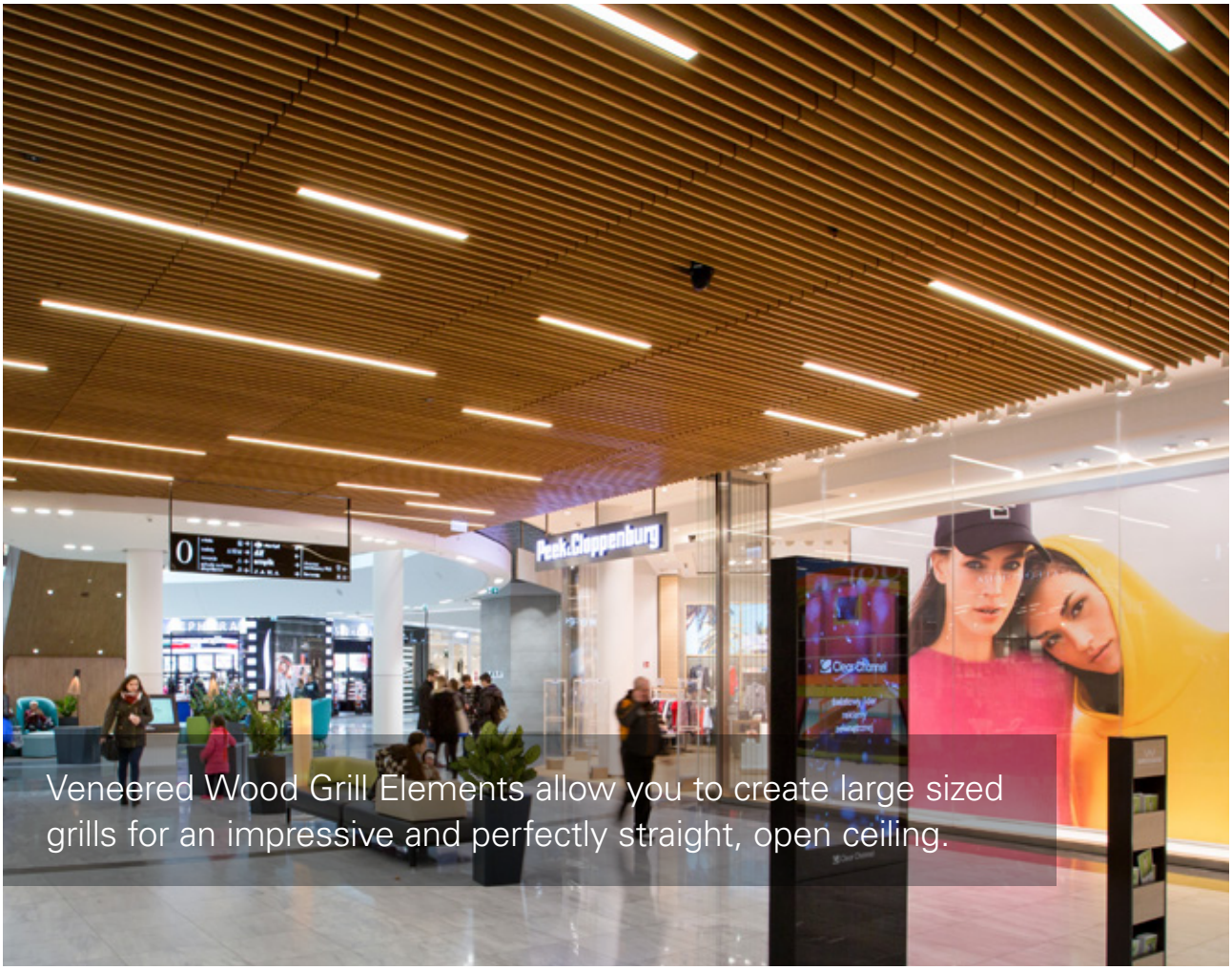
RAL Finishes
We offer the possibility to have the products finished in any RAL colour.

For more information, please contact your local sales office.



Project: KPMG Head Office, Amsterdam, The Netherlands - Product: Veneered Wood Linear, Bamboo - Architect: Marcel van der Schalk

VENEERED WOOD
GRILL ELEMENT



Project: Wroclavia shopping mall, Poland - Product: Veneered Wood Grill Element - Dowel - Architect: IMD Asymetria

KEY FEATURES

- Interior applications
- Pre-assembled grill elements connected with metal dowel
- MDF core finished with wood veneer
- Fire retardant and moisture resistant solutions
- Add acoustical wool for increase sound absorption
- Staining possibilities
- Available as wall solution
- Variety of organic or engineered wood veneers, FSC or PEFC certified
- Easy installation and demounting in standard T 24 grid
- Element length: standard 2400 mm
- Element width: varies between 300 to 500 mm
- Slat width: 17 / 25 / 31 / 39 mm
- Slat height: standard 50 - 150 mm
- Slat gaps: varies
- Other sizes and dimensions are available upon request
- Note: Grill dimensions may be restricted due to weight or may require a reinforced substructure

FSC
The mark is responsible forestry

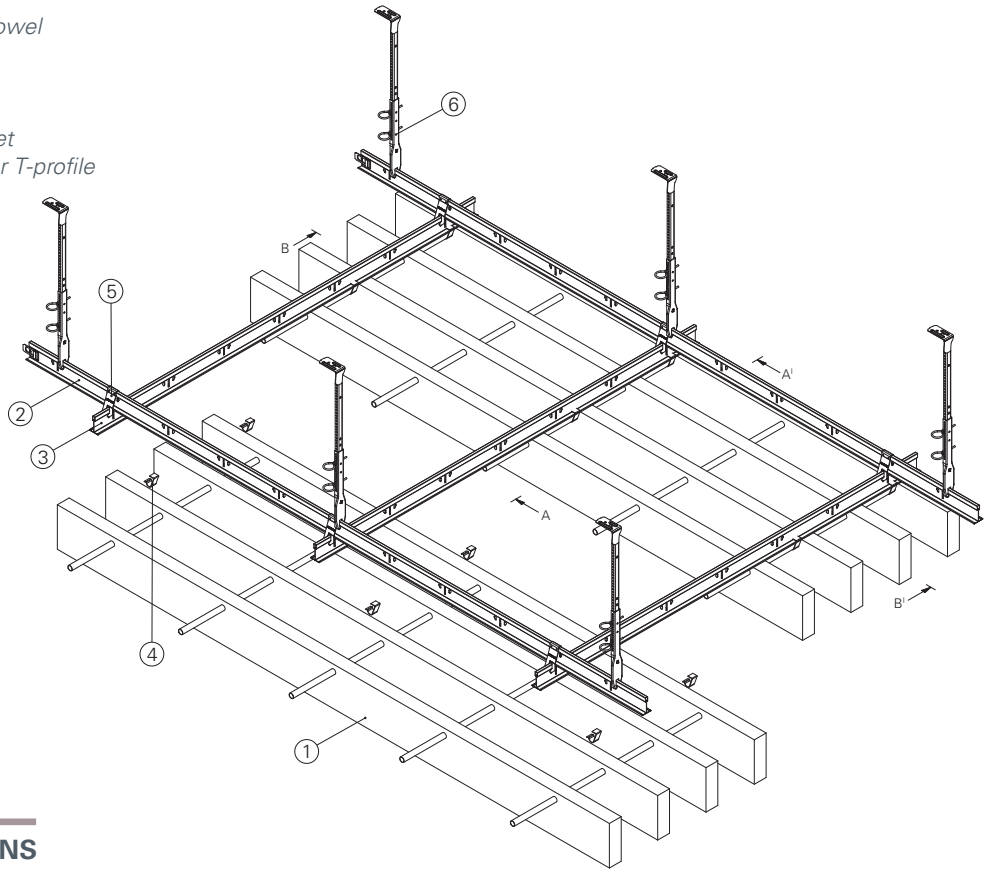
PEFC
Promoting sustainable forest management www.pefc.org

EN 13964
E1

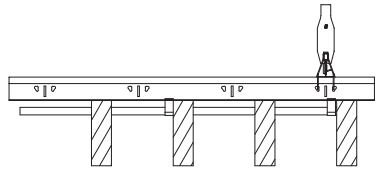
A+ A B C
A+

TYPICAL ISOMETRICS

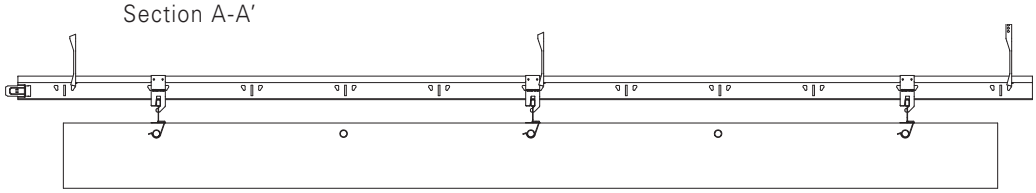
1 = Grill Element - Dowel
2 = Main runner
3 = Cross runner
4 = Dowel clip
5 = Cross-lock bracket
6 = Nonius hanger for T-profile



TYPICAL SECTIONS



Section A-A'



Section B-B'

PHYSICAL DATA



B-s2,d0 According to EN 13501-1



Up to α_W 0.50
See page 363



Acoustic cloth:
Black



10.0 - 15.0 kg/m²



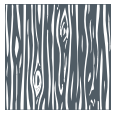
Moist cloth

OPTIONAL





Colours:
See page 64



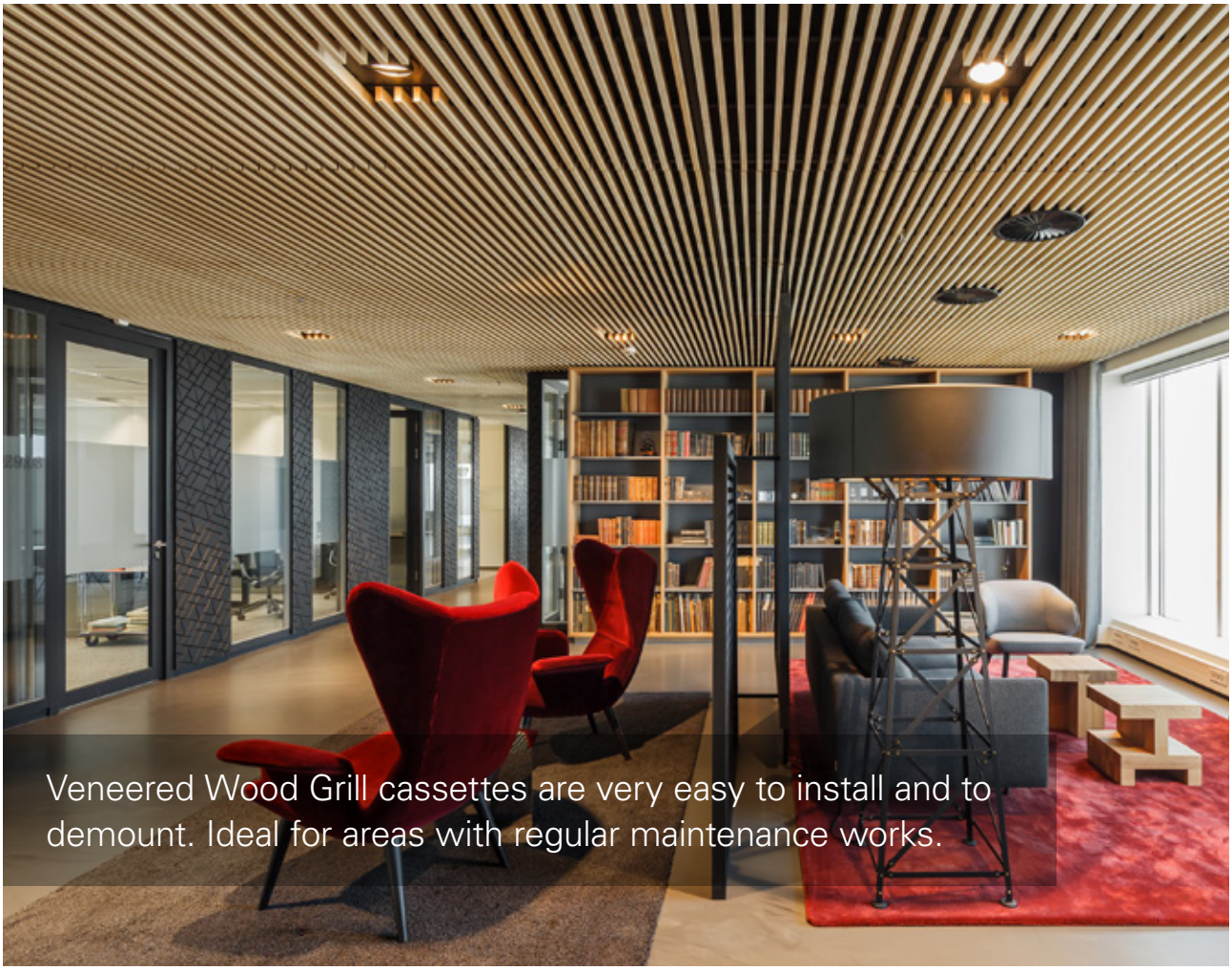




Wall solutions:
See page 300

VENEERED WOOD

GRILL CASSETTE



Project: Maastoren, Rotterdam, The Netherlands - Product: Veneered Wood Grill Cassettes - Architect: OTH architecten

KEY FEATURES

- Interior applications
- Pre-assembled grill cassettes in modular ceiling sizes
- MDF core finished with wood veneer
- Fire retardant and moisture resistant solutions
- Add acoustical wool for increase sound absorption
- Staining possibilities
- Available as wall solution
- Variety of organic or engineered wood veneers, FSC or PEFC certified
- Easy installation and demounting due to standard sizes
- Slats are connected with a wooden backer
- Element sizes: 600 x 600 mm / 1200 x 600 mm
- Slat width: 17 mm
- Slat height: standard 50 - 100 mm
- Slat gaps: varies
- Other sizes and dimensions are available upon request
- Note: Grill dimensions may be restricted due to weight

FSC
The mark is responsible forestry

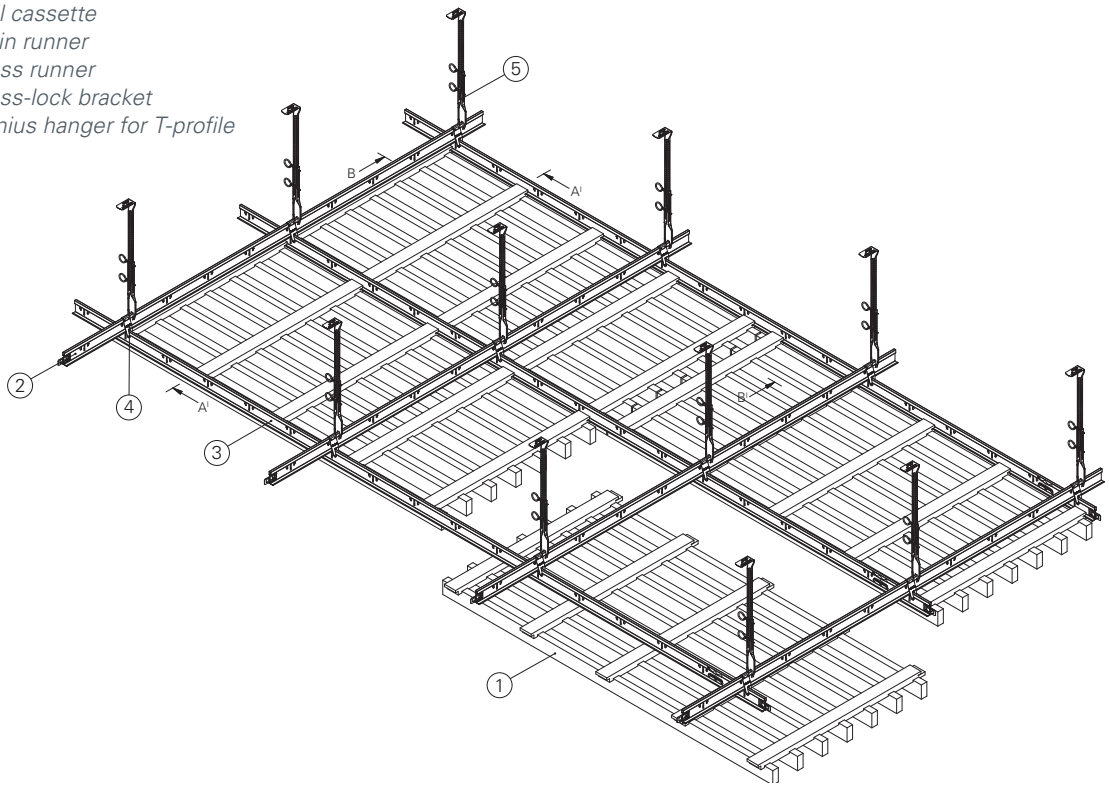
PEFC
Promoting sustainable forest management www.pefc.org

EN 13964
E1

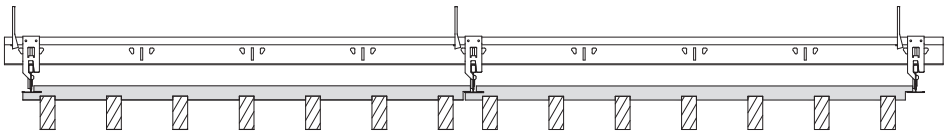
A+ A B C
A+

TYPICAL ISOMETRICS

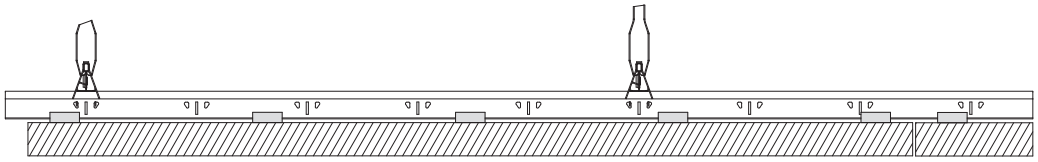
1 = Grill cassette
2 = Main runner
3 = Cross runner
4 = Cross-lock bracket
5 = Nonius hanger for T-profile



TYPICAL SECTIONS



Section A-A'



Section B-B'

PHYSICAL DATA

MDF : B-s2,d0

Up to α_W 0.50
See page 363

Acoustic cloth:
Black

12.0 - 20.0 kg/m²

Moist cloth

OPTIONAL

Colours:
See page 64

Wall solutions:
See page 300

WOOD SPECIES

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Birch


Spruce


Unsteamed Beech


Steamed Beech


Sycamore


Cherry


Ash


Basswood


Hemlock


Maple


Gaboon

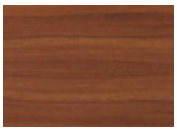

Zebrano


Bamboo Natural


Pine


Oak


Pear


Walnut


Chestnut

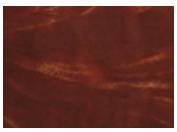

Yellow Poplar


Ayous


Red Oak


Bamboo Caramel


Teak


Sapeli Mahogany

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Engineered Veneer is a type of veneer that is known for their consistent appearance. Although Engineered Veneer is made from 100% wood, due to the special production process, a uniform look can be obtained.

High Pressure Laminate
Hunter Douglas works with some of the worlds leading HPL manufacturers. In most cases, we are able to apply HPL instead of veneer, to match other finishes in your project.

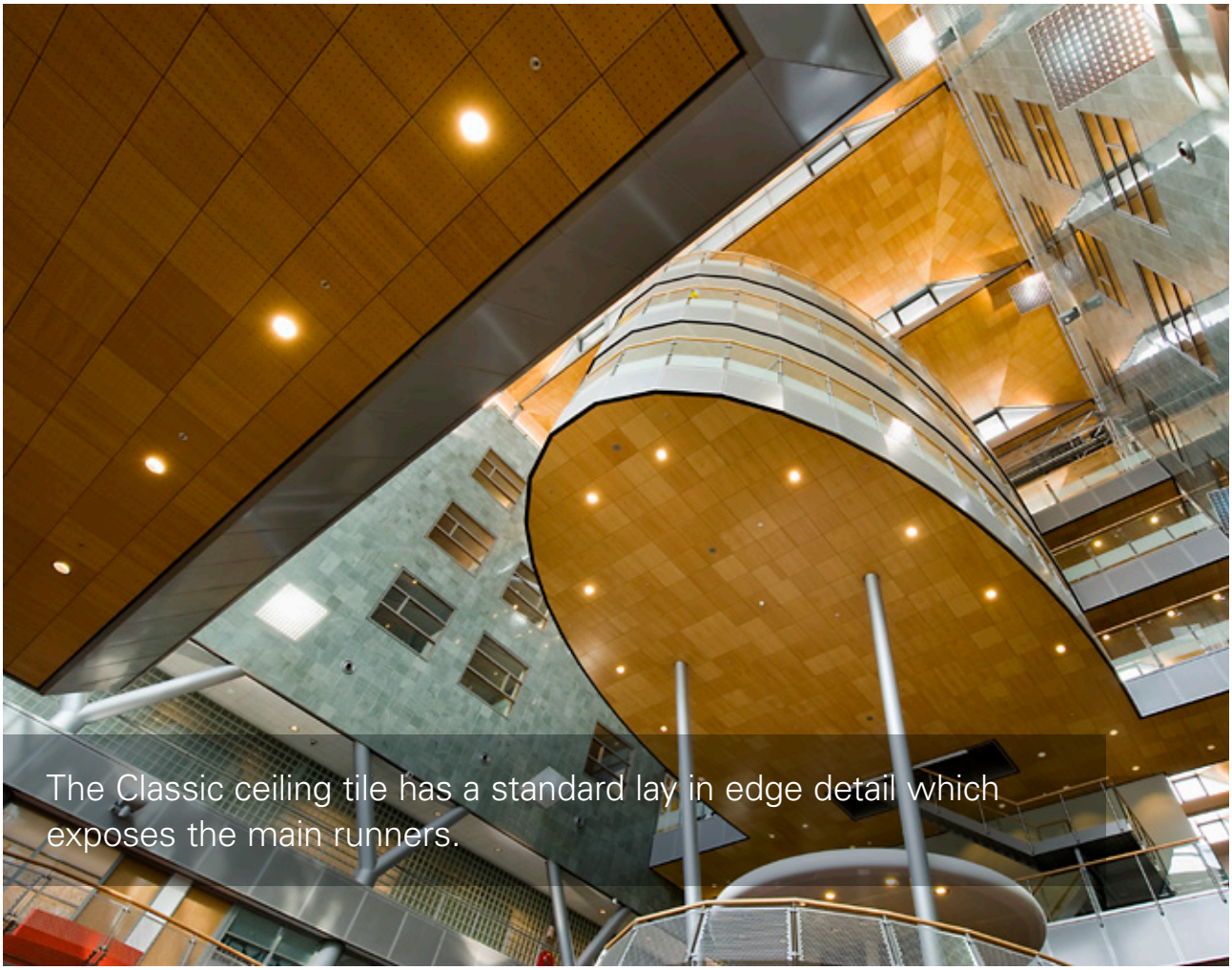
RAL Finishes
We offer the possibility to have the products finished in any RAL colour.

For more information, please contact your local sales office.



Project: Galeria Północna, Warsaw, Poland - Product: Veneered Wood Grill Element - Architect: APA Wojciechowski

TILES CLASSIC



Project: Orbis Medical Centre, Sittard, The Netherlands - Product: Veneered Wood Ceiling (Classic) - Architect: Bonnema Architecten

KEY FEATURES

- Interior applications
- MDF core finished with wood veneer
- Fire retardant and moisture resistant solutions
- Staining possibilities
- Variety of organic or engineered wood veneers, FSC or PEFC certified
- Easy installation and demounting in standard T 24 grid
- Exposed edge detail (24 mm)
- Dimensions: 600 x 600 / 1200 x 600 / 1800 x 600 mm
- Other sizes and dimensions are available upon request
- Perforations: Single / Double / Nano perforation patterns
- Lay in acoustic ceiling tile
- Various perforations with different acoustic performances and designs

The mark is responsible forestry

Promoting sustainable forest management www.pefc.org

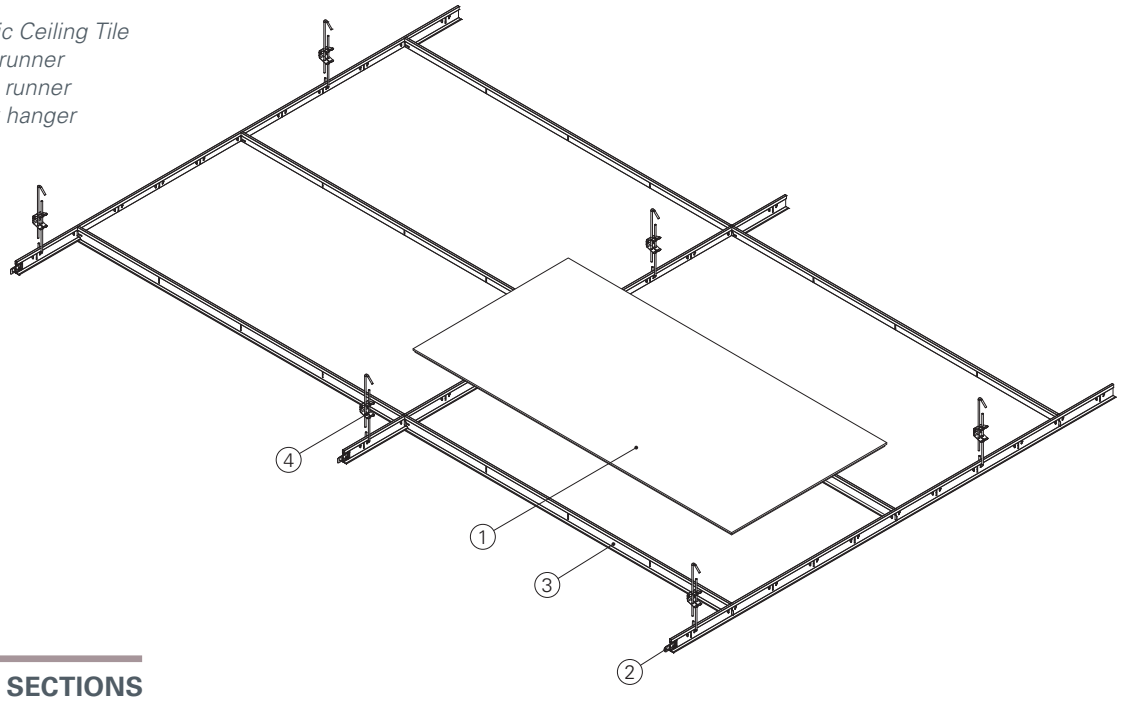
EN 13964

E1

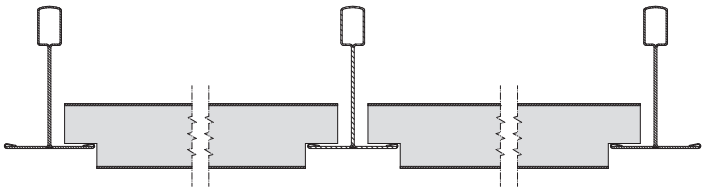
A+

TYPICAL ISOMETRICS

1 = Classic Ceiling Tile
2 = Main runner
3 = Cross runner
4 = Quick hanger

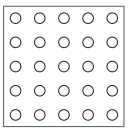


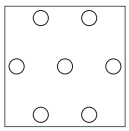
TYPICAL SECTIONS

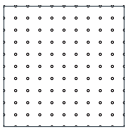


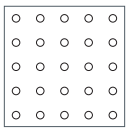
PERFORATION PATTERNS

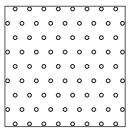
Standard patterns shown. See page 359 to see all perforation patterns.
Scale 1:1 shown, unless otherwise noted. See page 362 for acoustic information.

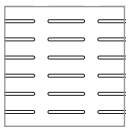
(Scale 1:5)

R7015
Ø 7 mm
⇳ 16 ⇿ 16
Single Round
Regular
Openness 15%

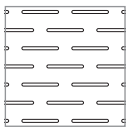
(Scale 1:5)

D10008
Ø 10 mm
⇳ 32 ⇿ 32
Single Round
Irregular
Openness 8%

(Scale 1:5)

R1503A
Ø 1.5 mm
⇳ 8 ⇿ 8
Double Round
Regular
Openness 3%

(Scale 1:5)

R5008B
Ø 5 mm
⇳ 16 ⇿ 16
Double Round
Regular
Openness 8%


D0505A
Ø 0.5 mm
⇳ 1.9 ⇿ 1.9
Nano Perfo
Irregular
Openness 23.9%

(Scale 1:20)

R9711S
WxH 97/8 mm
⇳ 48 ⇿ 132
Slotted perfo
Regular
Openness 11%

(Scale 1:20)

D9711S
WxH 97/8 mm
⇳ 48 ⇿ 132
Slotted perfo
Irregular
Openness 11%

PHYSICAL DATA


Plain : B-s1,d0
Perf : B-s2,d0




Up to α_W 0.95



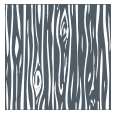
10.0 - 15.0 kg/m²


Moist cloth

OPTIONAL



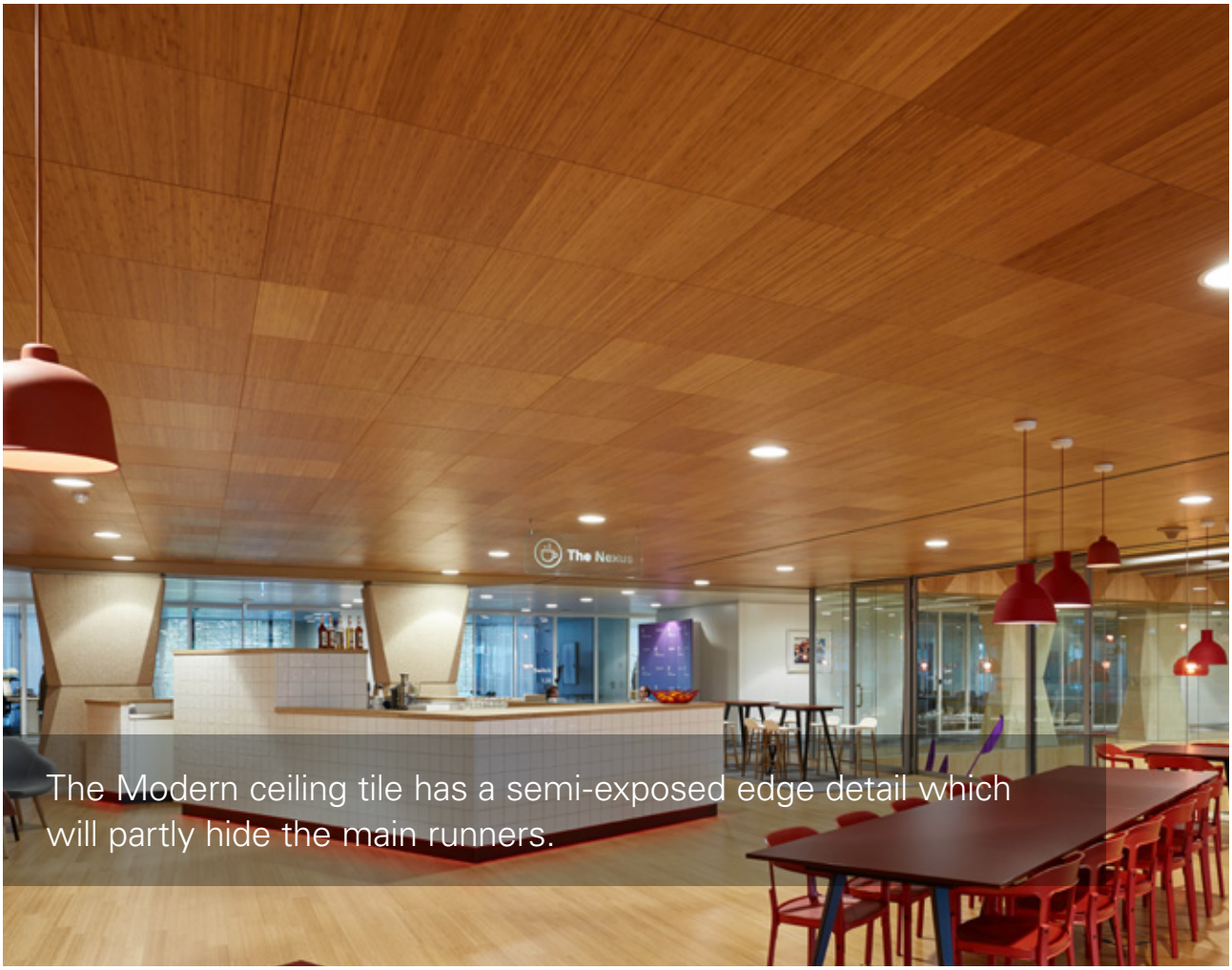

Colours:
See page 74






Wall solutions:
See page 302

VENEERED WOOD
TILES MODERN



The Modern ceiling tile has a semi-exposed edge detail which will partly hide the main runners.

Project: Smart Campus, Heerlen, the Netherlands - Product: Veneered Wood Ceiling - Architect: Van Eijk and van der Lubbe

KEY FEATURES

- Interior applications
- Lay in acoustic ceiling tile
- MDF core finished with wood veneer
- Various perforations with different acoustic performances and designs
- Fire retardant and moisture resistant solutions
- Staining possibilities
- Variety of organic or engineered wood veneers, FSC or PEFC certified
- Easy installation and demounting in standard T 24 grid
- Semi-exposed edge detail (8 mm)
- Suitable for ceilings with limited plenum
- Dimensions: 600 x 600 / 1200 x 600 / 1800 x 600 mm
- Other sizes and dimensions are available upon request
- Perforations: Single / Double / Nano perforation

FSC
The mark is responsible forestry

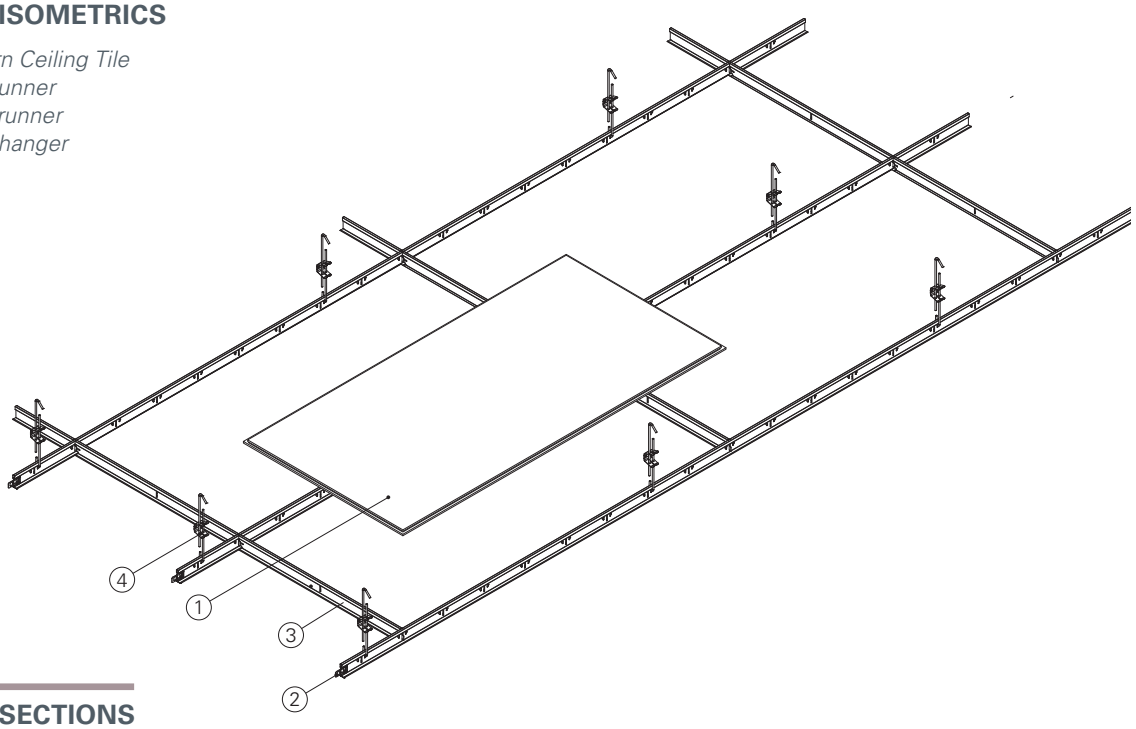
PEFC
Promoting sustainable forest management www.pefc.org

EN 13964
E1

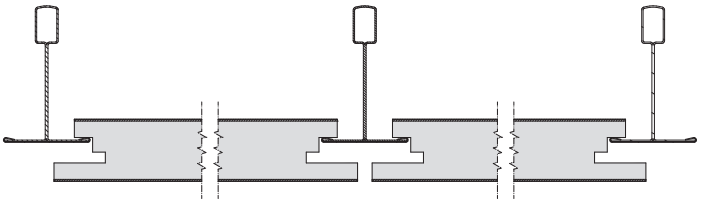
A+ A B C
A+

TYPICAL ISOMETRICS

1 = Modern Ceiling Tile
2 = Main runner
3 = Cross runner
4 = Quick hanger



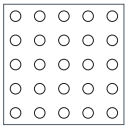
TYPICAL SECTIONS



PERFORATION PATTERNS

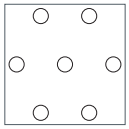
Standard patterns shown. See page 359 to see all perforation patterns.
Scale 1:1 shown, unless otherwise noted. See page 362 for acoustic information.

(Scale 1:5)



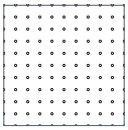
R7015
Ø 7 mm
⇳ 16 ⇿ 16
Single Round
Regular
Openness 15%

(Scale 1:5)



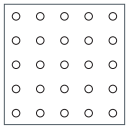
D10008
Ø 10 mm
⇳ 32 ⇿ 32
Single Round
Irregular
Openness 8%

(Scale 1:5)

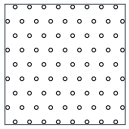


R1503A
Ø 1.5 mm
⇳ 8 ⇿ 8
Double Round
Regular
Openness 3%

(Scale 1:5)

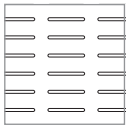


R5008B
Ø 5 mm
⇳ 16 ⇿ 16
Double Round
Regular
Openness 8%



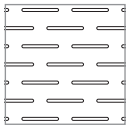
D0505A
Ø 0.5 mm
⇳ 1.9 ⇿ 1.9
Nano Perfo
Irregular
Openness 23.9%

(Scale 1:20)



R9711S
WxH 97/8 mm
⇳ 48 ⇿ 132
Slotted perfo
Regular
Openness 11%

(Scale 1:20)



D9711S
WxH 97/8 mm
⇳ 48 ⇿ 132
Slotted perfo
Irregular
Openness 11%

PHYSICAL DATA



Plain : B-s1,d0
Perf : B-s2,d0





Up to α_W 0.95



10.0 - 15.0 kg/m²



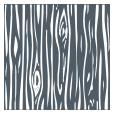
Moist cloth

OPTIONAL





Colours:
See page 74

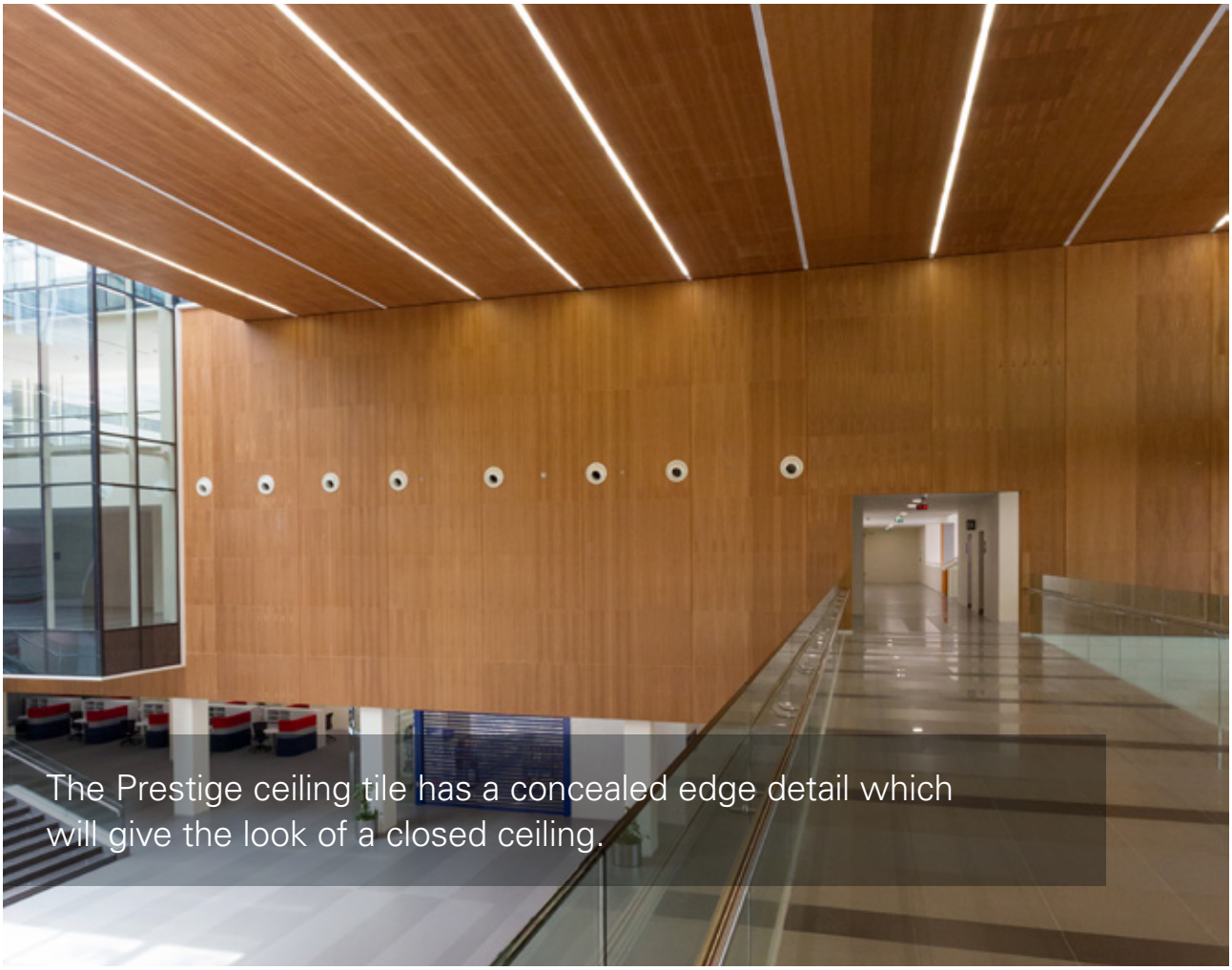






Wall solutions:
See page 302

VENEERED WOOD
TILES PRESTIGE



Project: Amity University Dubai, United Arab Emirates - Product: Veneered Wood Ceilings (Prestige) - Architect: IR Design

KEY FEATURES

- Interior applications
- Lay in acoustic ceiling tile
- MDF core finished with wood veneer
- Various perforations with different acoustic performances and designs
- Fire retardant and moisture resistant solutions
- Staining possibilities
- Variety of organic or engineered wood veneers, FSC or PEFC certified
- Easy installation and demounting in T 24 grid
- Concealed edge detail
- Suitable for ceilings with limited plenum
- Dimensions: 600 x 600 / 1200 x 600 / 1800 x 600 mm
- Other sizes and dimensions are available upon request
- Perforations: Single / Double / Nano perforation

FSC
The mark is responsible forestry

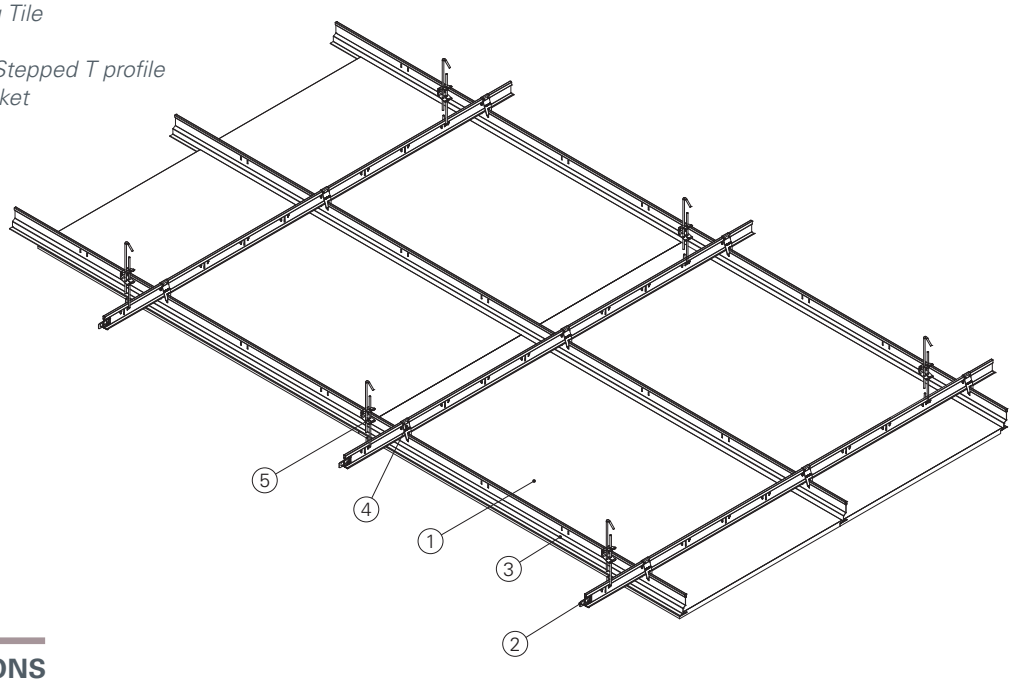
PEFC
Promoting sustainable forest management www.pefc.org

EN 13964
E1

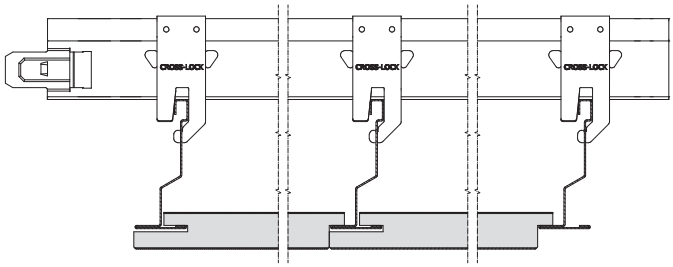
A+
A+ A B C

TYPICAL ISOMETRICS

1 = Prestige Ceiling Tile
2 = Main runner
3 = Cross runner / Stepped T profile
4 = Cross lock bracket
5 = Quick hanger

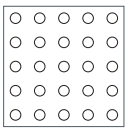
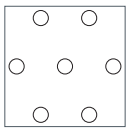
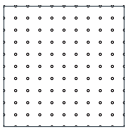
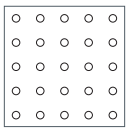
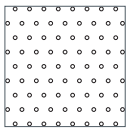
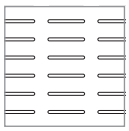
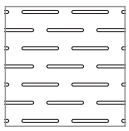


TYPICAL SECTIONS



PERFORATION PATTERNS

Standard patterns shown. See page 359 to see all perforation patterns.
Scale 1:1 shown, unless otherwise noted. See page 362 for acoustic information.

(Scale 1:5)	*(Scale 1:5)*	*(Scale 1:5)*	*(Scale 1:5)*		*(Scale 1:20)*	*(Scale 1:20)*
						
R7015 Ø 7 mm ⇳ 16 ⇿ 16 Single Round Regular Openness 15%	D10008 Ø 10 mm ⇳ 32 ⇿ 32 Single Round Irregular Openness 8%	R1503A Ø 1.5 mm ⇳ 8 ⇿ 8 Double Round Regular Openness 3%	R5008B Ø 5 mm ⇳ 16 ⇿ 16 Double Round Regular Openness 8%	D0505A Ø 0.5 mm ⇳ 1.9 ⇿ 1.9 Nano Perfo Irregular Openness 23.9%	R9711S WxH 97/8 mm ⇳ 48 ⇿ 132 Slotted perfo Regular Openness 11%	D9711S WxH 97/8 mm ⇳ 48 ⇿ 132 Slotted perfo Irregular Openness 11%

PHYSICAL DATA


Plain : B-s1,d0
Perf : B-s2,d0




Up to α_W 0.95



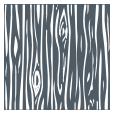
10.0 - 15.0 kg/m²


Moist cloth

OPTIONAL



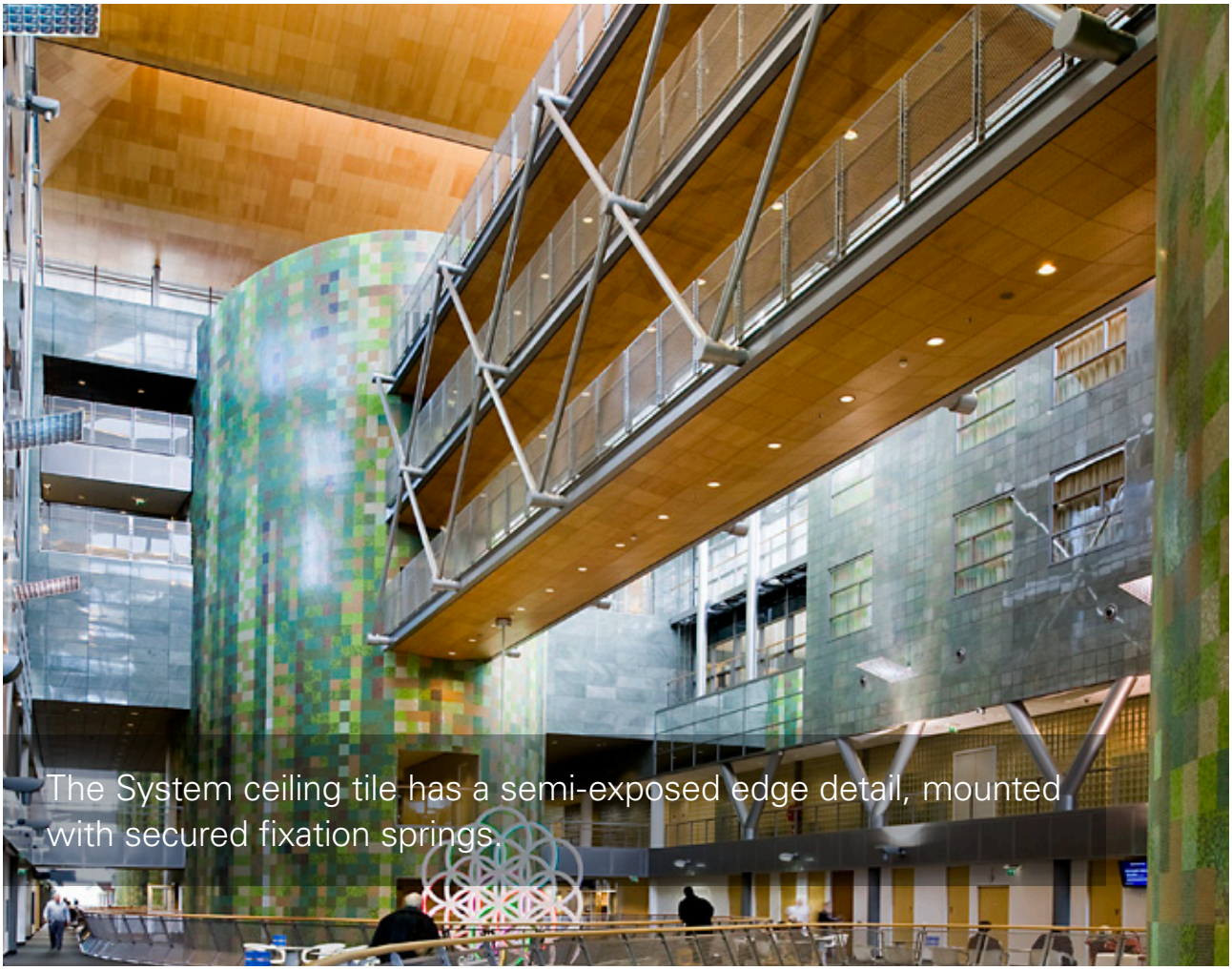

Colours:
See page 74






Wall solutions:
See page 302

VENEERED WOOD
TILES SYSTEM



The System ceiling tile has a semi-exposed edge detail, mounted with secured fixation springs.

Project: Orbis Medical Centre, Sittard, The Netherlands - Product: Veneered Wood Ceiling - Architect: Bonnema Architecten

KEY FEATURES

- Interior applications
- Lay in acoustic ceiling tile
- MDF core finished with wood veneer
- Various perforations with different acoustic performances and designs
- Fire retardant and moisture resistant solutions
- Staining possibilities
- Variety of organic or engineered wood veneers, FSC or PEFC certified
- Easy installation and demounting in T 24 grid
- Semi-exposed edge detail
- Suitable for ceilings with limited plenum
- Dimensions: 600 x 600 / 1200 x 600 / 1800 x 600 mm
- Other sizes and dimensions are available upon request
- Perforations: Single / Double / Nano perforation

FSC
The mark is responsible forestry

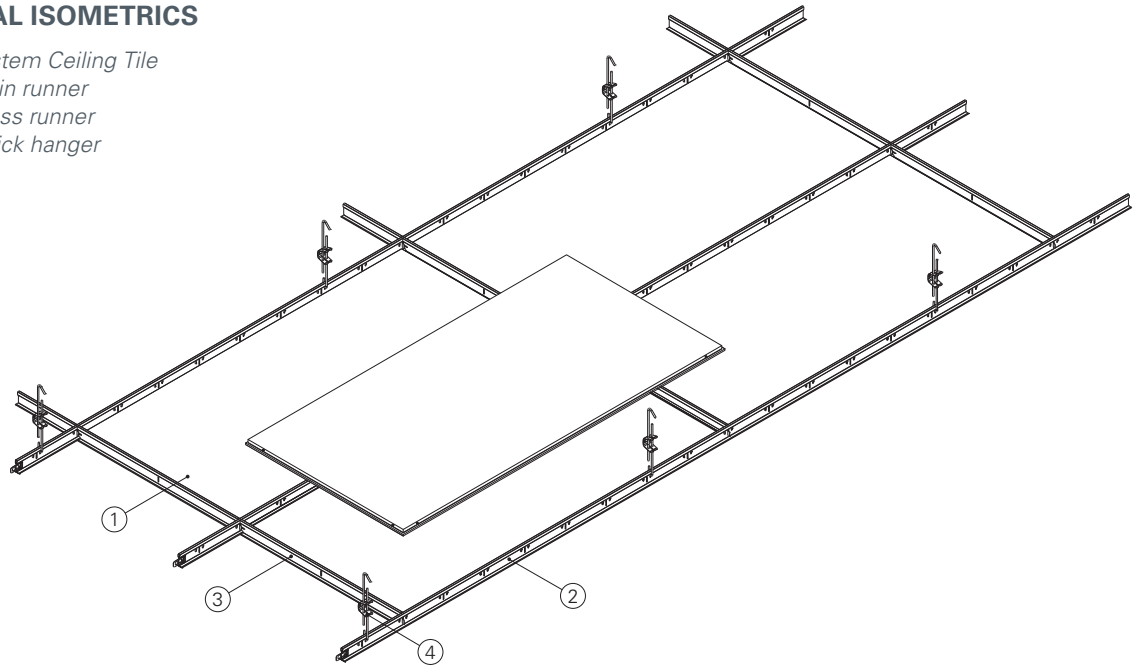
PEFC
Promoting sustainable forest management www.pefc.org

EN 13964
E1

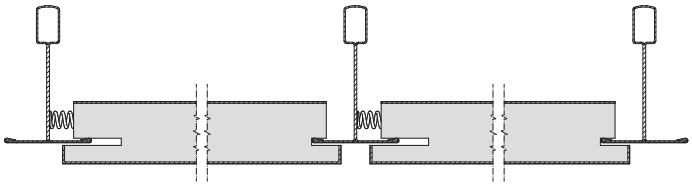
A+ A B C
A+

TYPICAL ISOMETRICS

1 = System Ceiling Tile
2 = Main runner
3 = Cross runner
4 = Quick hanger

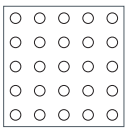
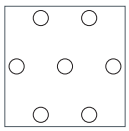
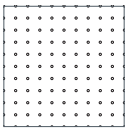
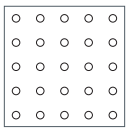
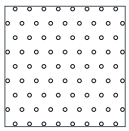
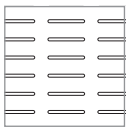
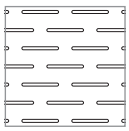


TYPICAL SECTIONS



PERFORATION PATTERNS

Standard patterns shown. See page 359 to see all perforation patterns.
Scale 1:1 shown, unless otherwise noted. See page 362 for acoustic information.

(Scale 1:5)	*(Scale 1:5)*	*(Scale 1:5)*	*(Scale 1:5)*		*(Scale 1:20)*	*(Scale 1:20)*
						
R7015 Ø 7 mm ⇳ 16 ⇿ 16 Single Round Regular Openness 15%	D10008 Ø 10 mm ⇳ 32 ⇿ 32 Single Round Irregular Openness 8%	R1503A Ø 1.5 mm ⇳ 8 ⇿ 8 Double Round Regular Openness 3%	R5008B Ø 5 mm ⇳ 16 ⇿ 16 Double Round Regular Openness 8%	D0505A Ø 0.5 mm ⇳ 1.9 ⇿ 1.9 Nano Perfo Irregular Openness 23.9%	R9711S WxH 97/8 mm ⇳ 48 ⇿ 132 Slotted perfo Regular Openness 11%	D9711S WxH 97/8 mm ⇳ 48 ⇿ 132 Slotted perfo Irregular Openness 11%

PHYSICAL DATA



Plain : B-s1,d0
Perf : B-s2,d0





Up to α_W 0.95



10.0 - 15.0 kg/m²



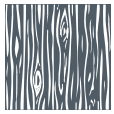
Moist cloth

OPTIONAL





Colours:
See page 74







Wall solutions:
See page 302

WOOD SPECIES

Hunter Douglas offers a wide choice of wood species and finishes. As wood is a 100% natural product, the images below can differ from actual samples or products. Please request a sample at your nearest sales office.

ORGANIC VENEERS

Organic veneer is a natural material sliced from tree logs without alterations or enhancements. This veneer types shows all the characteristics and intrinsic patterns of the tree, caused by the natural influences during his lifetime, making each veneer unique.


Birch


Spruce


Unsteamed Beech


Steamed Beech


Sycamore


Cherry


Ash


Basswood


Hemlock


Maple


Gaboon

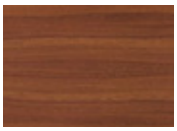

Zebrano


Bamboo Natural


Pine


Oak


Pear


Walnut


Chestnut

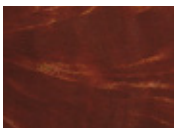

Yellow Poplar


Ayous


Red Oak


Bamboo Caramel


Teak


Sapeli Mahogany

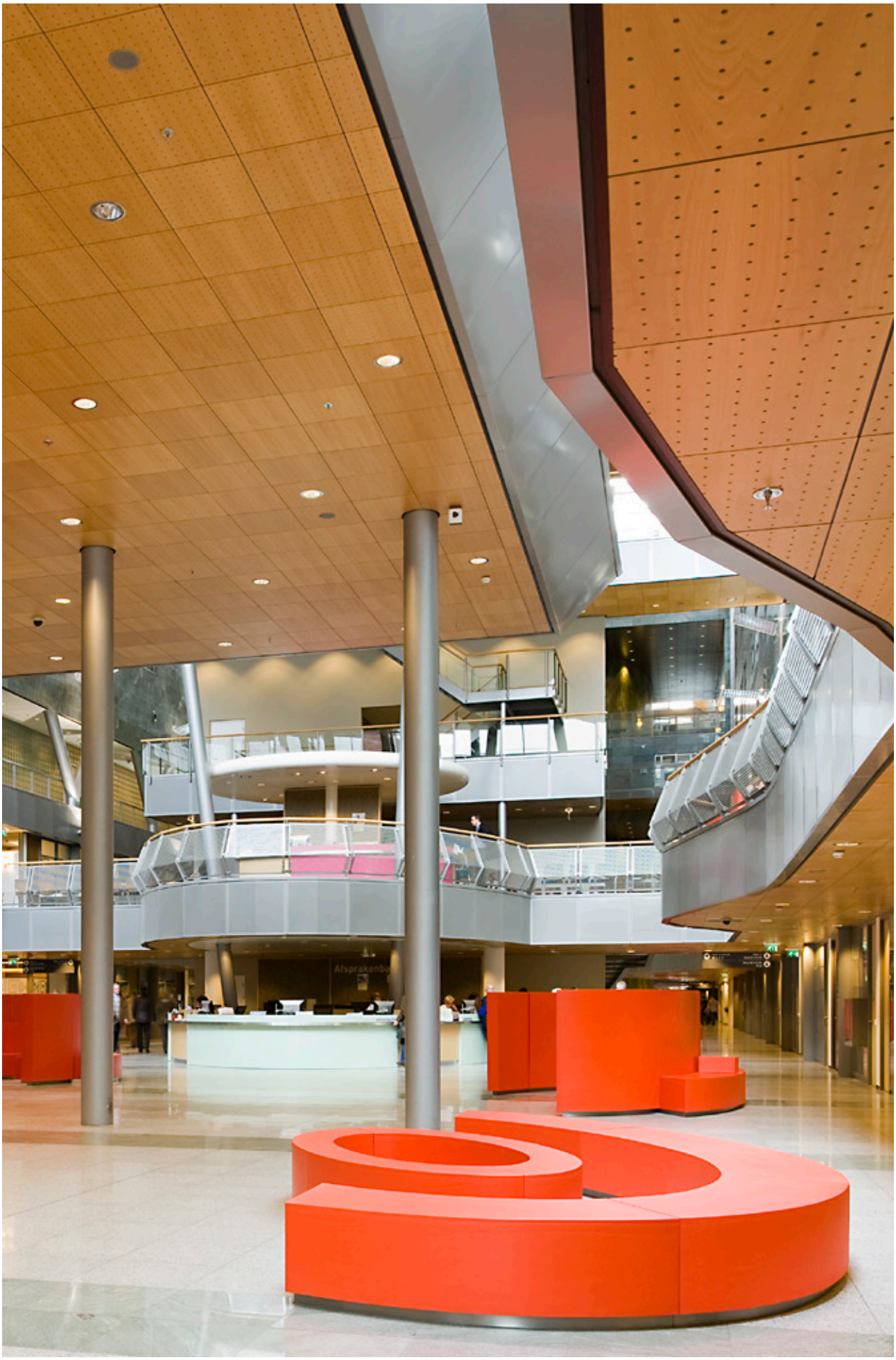
Besides the wide range of Organic Veneers, Hunter Douglas also offers a selection of other finishes.

Engineered veneers
Engineered Veneer is a type of veneer that is known for their consistent appearance. Although Engineered Veneer is made from 100% wood, due to the special production process, a uniform look can be obtained.

High Pressure Laminate
Hunter Douglas works with some of the worlds leading HPL manufacturers. In most cases, we are able to apply HPL instead of veneer, to match other finishes in your project.

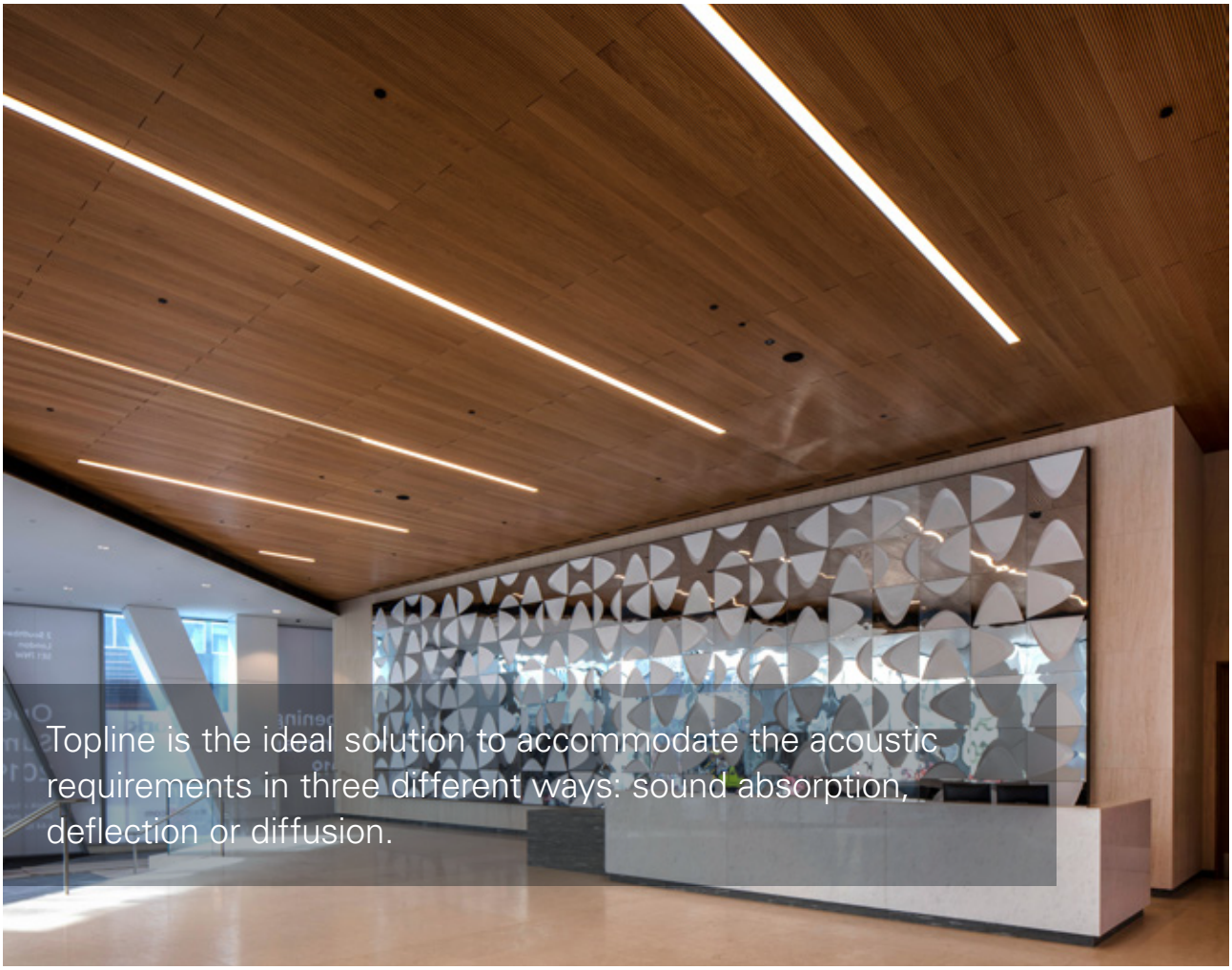
RAL Finishes
We offer the possibility to have the products finished in any RAL colour.

For more information, please contact your local sales office.



Project: Orbis Medical Centre, Sittard, The Netherlands - Product: Veneered Wood Ceiling (Classic Plus) - Architect: Bonnema Architecten

TOPLINE



Project: Southbank Centre, London, United Kingdom - Product: Veneered wood Topline - Architect: Kohn Pedersen Fox

KEY FEATURES

- Interior applications
- High performance sound absorbing panels
- Pre-applied acoustic non-woven material on reverse side
- MDF core finished with wood veneer
- Various slotted perforations with different acoustic performances and designs
- Fire retardant and moisture resistant solutions
- Staining possibilities
- Variety of organic or engineered wood veneers, FSC or PEFC certified
- Easy installation and demounting in standard T 24 grid
- Tongue and groove connection to create uniform appearance
- Various perforation designs and acoustical performance
- Panel length: standard 2400 mm
- Panel width: 128 mm
- Panel thickness: 17 mm
- Other sizes and dimensions are available upon request

The mark is responsible forestry

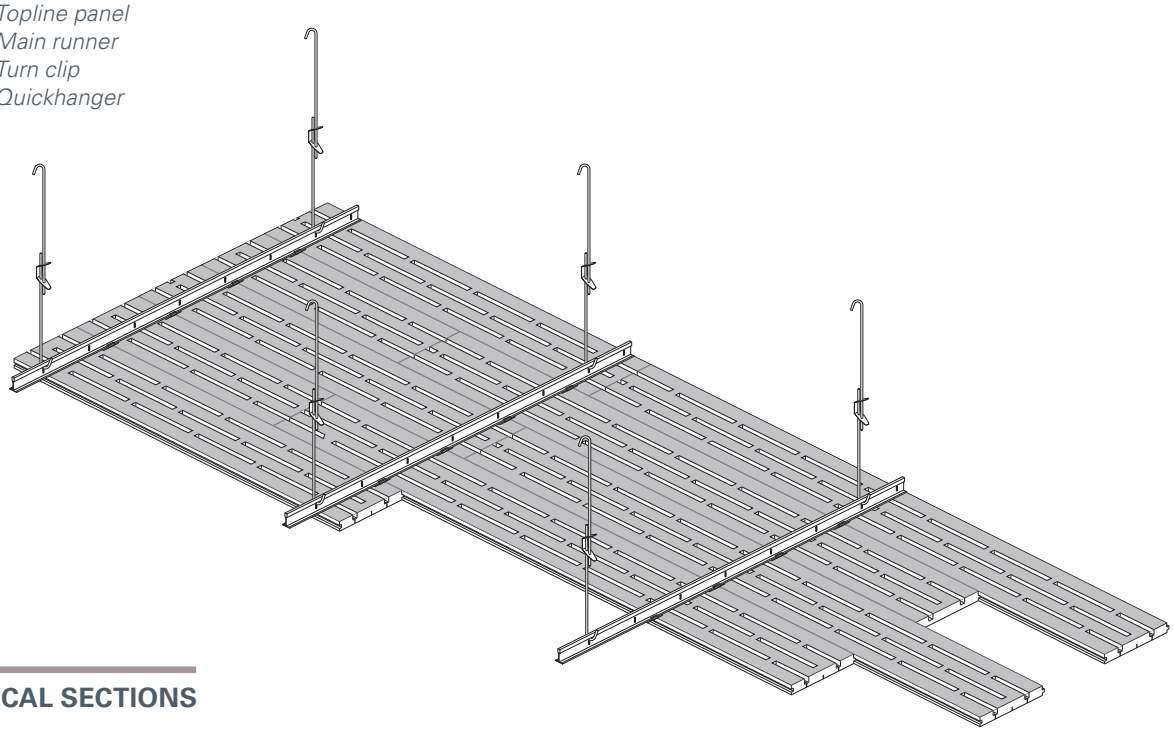
Promoting sustainable forest management www.pefc.org

EN 13964
E1

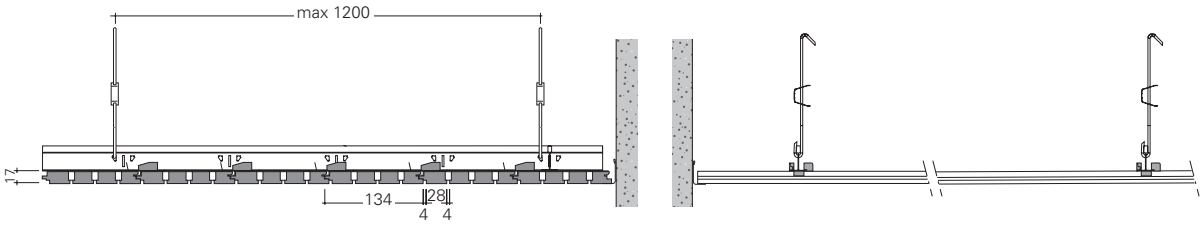
A+

TYPICAL ISOMETRICS

1 = Topline panel
2 = Main runner
3 = Turn clip
4 = Quickhanger



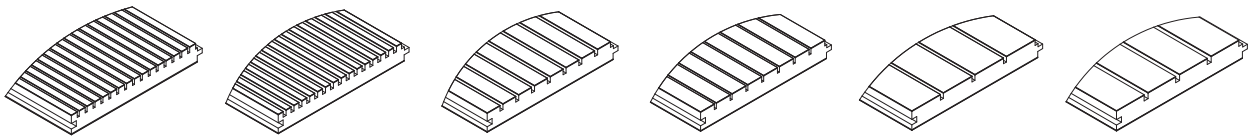
TYPICAL SECTIONS



PERFORATION PATTERNS

Standard grooves shown. See page 359 to see all groove patterns.
Scale 1:1 shown, unless otherwise noted. See page 363 for acoustic information.

VIEW SIDES *(Scale 1:5)*



Topline 6/2
Plain 6 mm
Groove 2 mm
Openness 25%

Topline 5/3
Plain 5 mm
Groove 3 mm
Openness 25%

Topline 13/3
Plain 13 mm
Groove 3 mm
Openness 19%

Topline 14/2
Plain 14 mm
Groove 2 mm
Openness 13%

Topline 29/3
Plain 29 mm
Groove 3 mm
Openness 9%

Topline 28/4
Plain 28 mm
Groove 4 mm
Openness 13%

PHYSICAL DATA



B-s2,d0 According to EN 13501-1





10.0 - 15.0 kg/m²



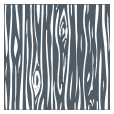
Moist cloth

OPTIONAL





Colours:
See page 78







Wall solutions:
See page 304

WOOD SPECIES

Hunter Douglas offers a wide choice of wood species and finishes. As wood is a 100% natural product, the images below can differ from actual samples or products. Please request a sample at your nearest sales office.

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Organic veneer is a natural material sliced from tree logs without alterations or enhancements. This veneer types shows all the characteristics and intrinsic patterns of the tree, caused by the natural influences during his lifetime, making each veneer unique.


Birch


Spruce


Unsteamed Beech


Steamed Beech


Sycamore


Cherry


Ash


Basswood


Hemlock


Maple


Gaboon

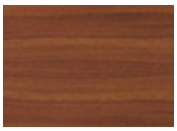

Zebrano


Bamboo Natural


Pine


Oak


Pear


Walnut


Chestnut

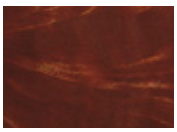

Yellow Poplar


Ayous


Red Oak


Bamboo Caramel


Teak


Sapeli Mahogany

Besides the wide range of Organic Veneers, Hunter Douglas also offers a selection of other finishes.

Engineered veneers
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High Pressure Laminate
Hunter Douglas works with some of the worlds leading HPL manufacturers. In most cases, we are able to apply HPL instead of veneer, to match other finishes in your project.

RAL Finishes
We offer the possibility to have the products finished in any RAL colour.

For more information, please contact your local sales office.



Project: Credit Agricole, France - Product: Topline TLS 14/2, custom colour - Architect: Nacéra Rahal

METAL WOODPRINT



Project: EKZ Mall, Liepziger Platz, Berlin, Germany - Product: Multi-Panel 30BD and 80B, Metal Woodprint - Architect: ARGE LP12

KEY FEATURES

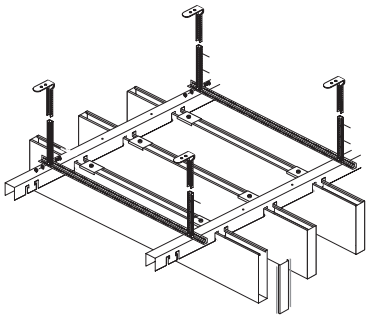
- Interior applications
- Realistic wood designs available for our metal ceilings range
- Use the benefits of metal, with the looks of natural wood
- Direct print or transfer prints solutions
- Acoustic solutions available
- Also available for exterior applications
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

Project : Shopping Center Las Huertas, Palencia, Spain
Product : Multi-Panel 30BD, Metal Woodprint
Architect: B+R Arquitectos Asociados

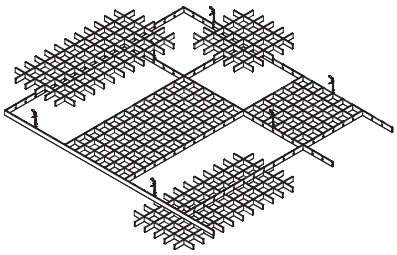


WOODPRINT APPLICATIONS

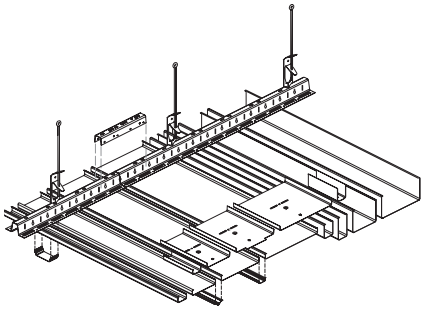
Woodprint finishes are available as standard for the following HunterDouglas® Metal Ceilings:



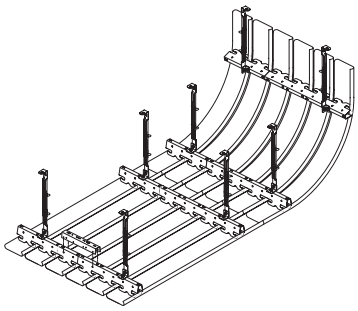
Baffles (see page 160 - 173)



Cell (see page 174 - 181)



Linear (see page 182 - 201)



Curved (see page 202 - 213)

COLOURS AND FINISHES

Hunter Douglas offers a wide choice of colours, wood prints and finishes, with different printing techniques. See our website for the most up to date information. The images are for illustration purposes only.

WOOD TONES (CELL AND LINEAR)


8620
Pine


8612
Cedar


8610
Palisander


8616
Elm


8601
Oak

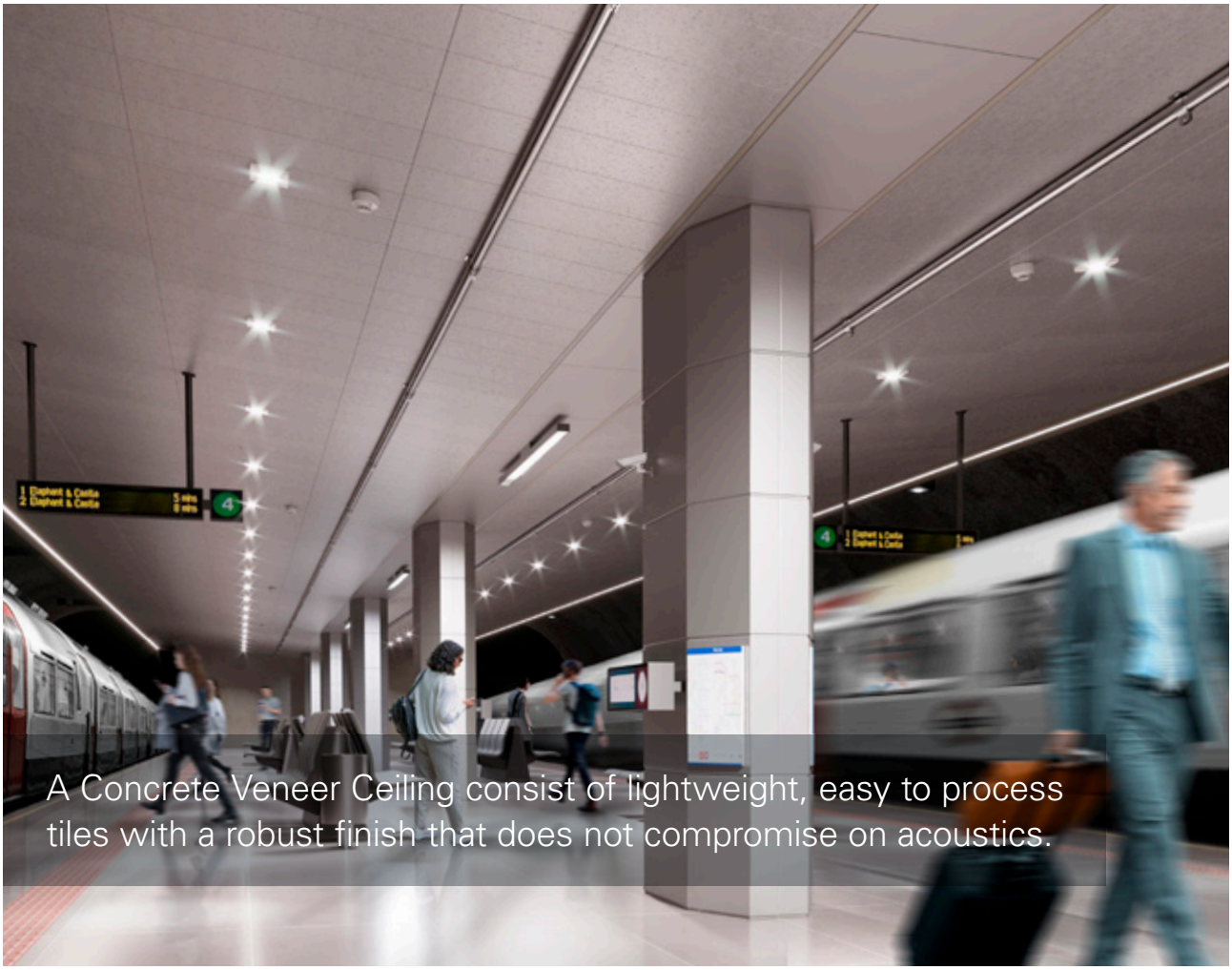
WOOD TONES (BAFFLES)


8920
Oak



Project: EKZ Mall, Liepziger Platz, Berlin, Germany - Product: Multi-Panel 30BD and 80B, Metal Woodprint - Architect: ARGE LP12

CONCRETE VENEER
TILES - PRESTIGE



Product: Concrete Veneer Ceiling Tiles (Prestige) - Material: Original

KEY FEATURES

- Interior applications
- Durable 16 mm MDF core material
- 1.5 mm real cement finish
- 5 concrete finishes
- Lightweight
- Fire retardant and moisture resistant solutions
- Also available as Classic- *(page 66)*, Modern- *(page 68)*, and System-Tiles *(page 72)*
- Easy installation and demounting in standard T 24 grid
- Concealed edge detail
- Available as ceiling and wall panels
- Dimensions: 600 x 600 / 1200 x 600 mm
- Other sizes and dimensions are available upon request
- Optionally foreseen with hardly visible nano perforation for high level acoustic performance

The mark is responsible forestry

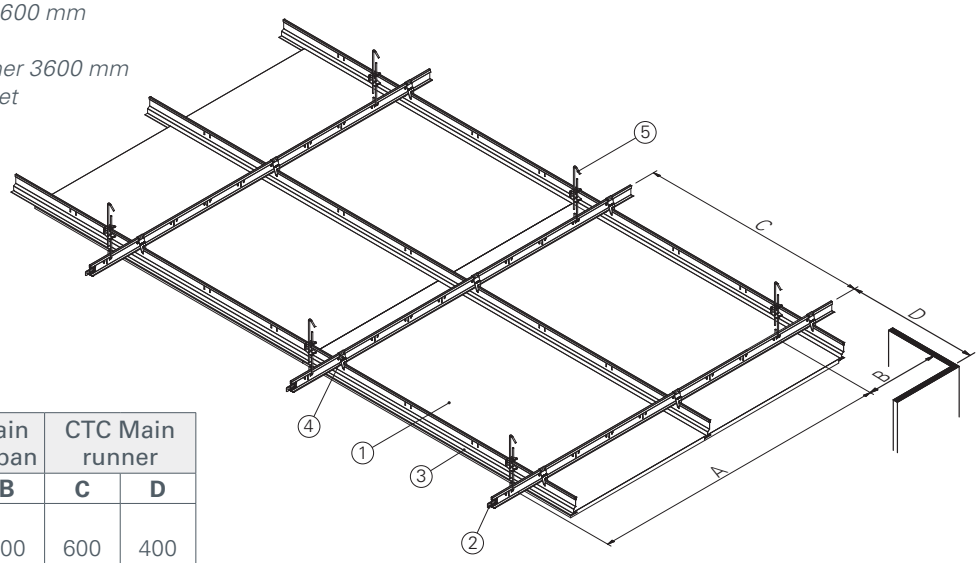
Promoting sustainable forest management www.pefc.org

EN 13964
E1

A+

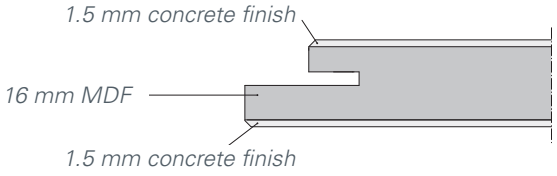
TYPICAL ISOMETRICS

1. Concrete Veneer Ceiling Tile
2. CL 24-38 Main runner or
CL 24-38 Stepped T profile 3600 mm
3. QL 24-38 Main runner /
CL 24-60 Stepped Main runner 3600 mm
4. Cross Lock connection bracket
5. Quick hanger

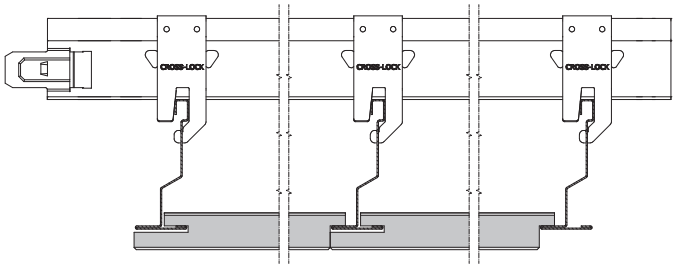


Concrete Veneer Ceiling Tile	Max. Main runner span		CTC Main runner	
Tile size (LxW)	**A**	**B**	**C**	**D**
Standard: 600 x 600 mm 1200 x 600 mm	1200	200	600	400

TYPICAL SECTIONS



Note: The edges can be finished with real concrete banding or matching melamine.



PERFORATION PATTERNS

Scale 1:1 shown, unless otherwise noted. See page 363 for acoustic information.



Nano Perforations

In case the panel is perforated, a layer of sound absorbing nonwoven will be added. Contact your sales contact for latest perforation patterns overview and acoustic performance.

PHYSICAL DATA

Plain : B-s1,d0

Up to α_W 0.50

Plain : 15.0 kg/m²
Perforated : 12.0 kg/m²

Moist cloth

OPTIONAL

Colours:
See page 86

Wall solutions:
See page 308

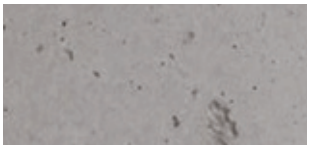
TILES - PRESTIGE

VENEER SPECIES

Hunter Douglas Concrete Veneer panels are available in 5 finishes, ranging from lighter to darker tones. These finishes all include the natural imperfections such as colour variations, small cracks and holes, which make concrete panels lively and unique., the images below can differ from actual samples or products. Please request a sample at your nearest sales office.

LOOKS AND FEEL

Shrinkage cavities, colour hues, fine cracks - features typical of concrete - are the hallmarks that set our Concrete Veneer panels apart. Once processed, it is undistinguishable from solid concrete. The look and touch are the same as 'real' concrete. Quality that you can see and feel in every last detail is what makes this product truly exceptional.
Concrete as a lightweight panel for a wide range of interior design applications.



Shrinkage cavities
Typical air voids, deep structure, original aesthetics, a feature typical of concrete.



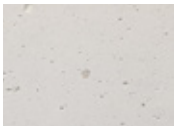
Hairline cracks
Occasional hairline cracks are typical of concrete.



Colour fluctuations
Random colouring takes place by the cement, various nuances are intended and authentic.

CONCRETE VENEERS

Concrete Veneer panels are available in a variety of finishes and shades from natural white all the way to dark graphite.



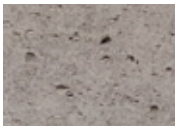
Natural White



Stone Grey



Original



Vintage



Dark Graphite



Product: Concrete Veneer Ceiling Tiles and Wall Panels - Material: Original



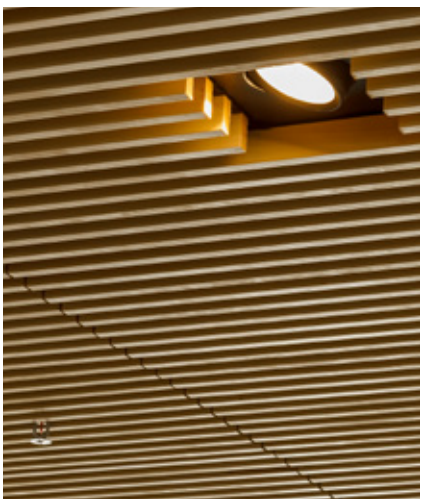
Project: Zayed Sports City, Abu Dhabi, United Arabic Emirates
Architect: Sparch
Product: Linear Multipanel 80B Metal Woodprint

METAL CEILINGS

With a 60 year legacy of product innovation, our metal ceiling systems continue to lead in design, function and sustainability.

When the law firm AKD wanted to refurbish the 29th floor of its offices in Rotterdam's Maas Tower, the tallest building in the Benelux region, the architects took their inspiration from the dock yards of Rotterdam. The building, which sits on the banks of the river Maas, opened in 2010 and comprises two towers - the first being just over 164 metres high and the second tower, where AKD is located, is 108 metres high.













Project : Maastower, Rotterdam, The Netherlands
Architect: OTH Architects
Product : MultiPanel-BXD ceiling

"TWO STUNNING CEILINGS NOT LOOKING LIKE A USUAL OFFICE"

The new reception and conference centre, designed by OTH architects, features strong materials such as leather, dark wood and blue steel. This look has been complemented by two stunning Hunter Douglas Architectural ceilings. For the reception, corridors and waiting room areas, Hunter Douglas Architectural was specified to supply grill wood veneer in poplar, while the industrial-looking metal ceiling was also specified for the staff lounge and bar area.

Hunter Douglas Architectural worked closely with the installation contractor: "This was a special project for us, because it was the first time we got to experience the Multipanel BXD metal ceiling. It felt like a puzzle as there are lots of different measurements and we worked with the Hunter Douglas team to make sure our people understood how it should be installed. Preparation is key and there's no doubt that it's a very good ceiling that is well made and we're pleased with the result and how it looks."

Ferdinand van Dam, OTH architects, said: "Our client, AKD really challenged us to come up with an inspiring interior concept, not looking like a usual office, but more like a club or a lounge of a restaurant. "By creating the concept of 'dock yards of Rotterdam', we gave the space a specific raw identity, fitting both the building and location. The grill-like ceilings, in mismatched wood and dark metal, we found in the collection of Hunter Douglas Architectural complemented the desired look and feel of the interior really well, while providing a great acoustical quality to the space."



Project: MME, Zug, Switzerland
Product: Multipanel



Project: Fieramilano, Milan, Italy
Product: Planks Alpha

METAL CEILINGS

PLANKS 94

TILES 122

STRETCH METAL 130

WIDE PANEL 150

BAFFLES 160

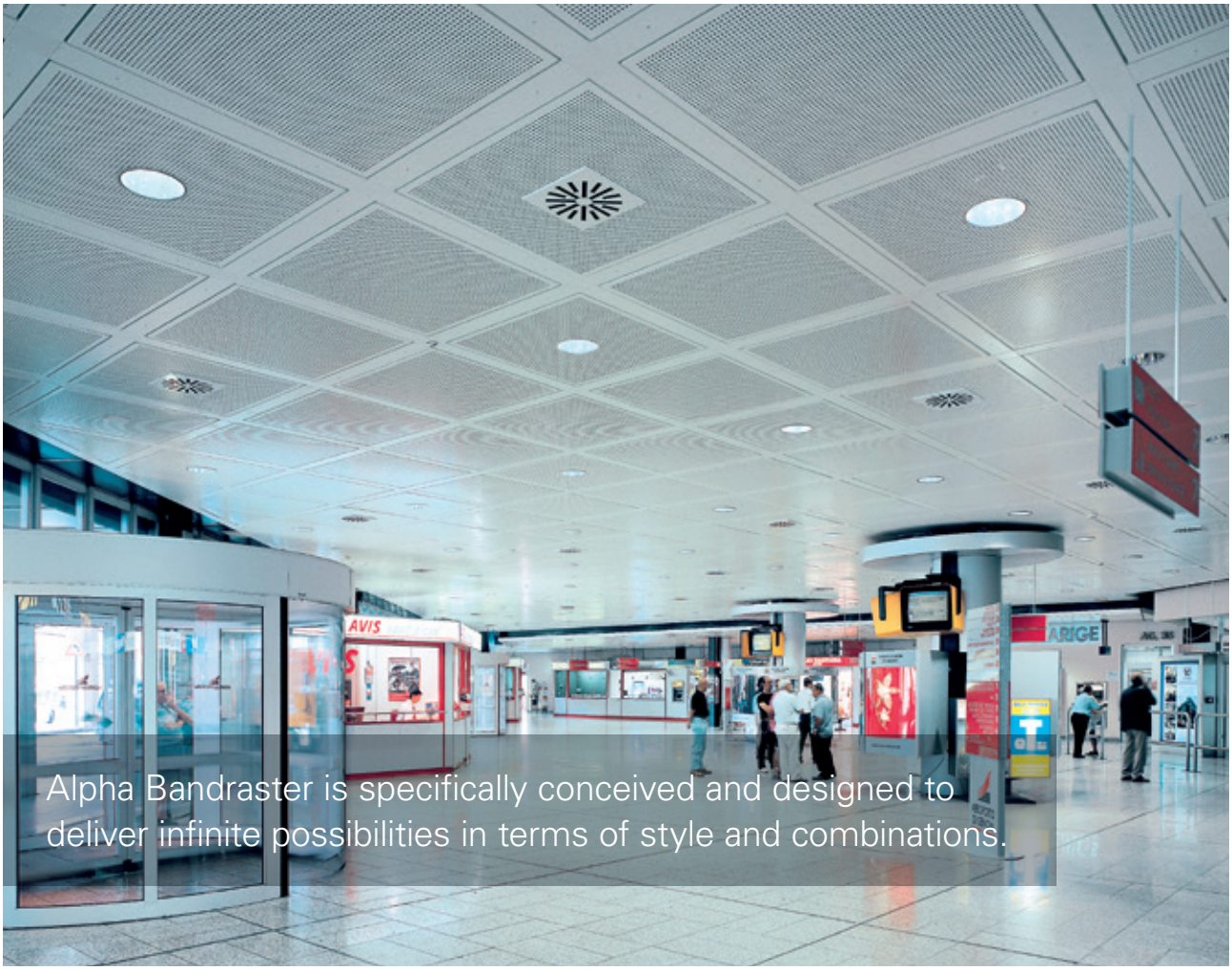
CELL 174

LINEAR 182

CURVED 202

PROJECT SOLUTIONS 215

PLANKS
ALPHA BANDRASTER



Alpha Bandraster is specifically conceived and designed to deliver infinite possibilities in terms of style and combinations.

Project: Airport Genova, Genova, Italy - Product: Planks Alpha Bandraster

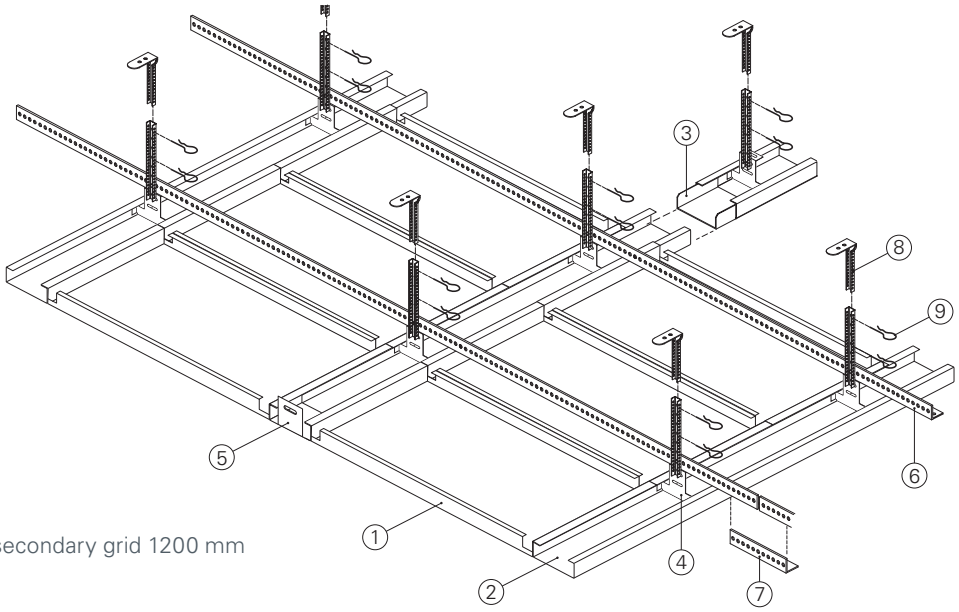
KEY FEATURES

- Panel sizes*:
  - Width: from 300 to 600 mm
  - Length: from 1000 to 2400 mm
- Square-edge design in parallel or cross design installation
- Perforated panels with non-woven tissue for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

**For large dimensions contact our sales unit*

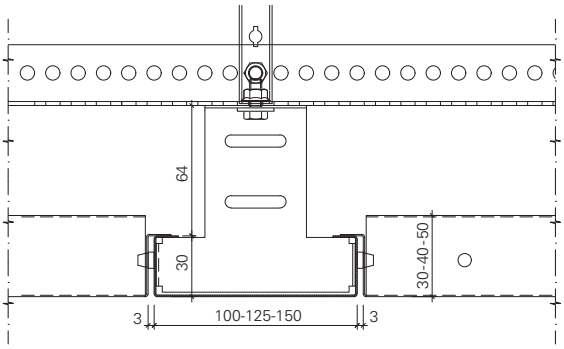
TYPICAL ISOMETRICS

1 = Alpha Bandraster panel
2 = Bandraster profile
3 = Bandraster profile splice
4 = Alpha bracket
5 = Alpha wall bracket
6 = Primary profile
7 = Primary profile splice
8 = Nonius hanger
9 = Locking clips



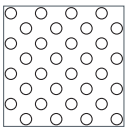
Maximum spans primary and secondary grid 1200 mm
Maximum cantilevers 300 mm

TYPICAL SECTIONS

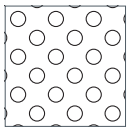


PERFORATION PATTERNS

Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 363-364 for acoustic information.



D1522
Ø 1.5 mm
⇳ 4 ⇔ 4
Openness 22%



D2022
Ø 2 mm
⇳ 5 ⇔ 5
Openness 22%

PHYSICAL DATA





Belgium only





α_W = 0.55-0.90









Al: 4.9 kg/m²
Fe: 7.8 kg/m²



Colours:
See page 100



Varies with finish
RAL9010: LR = 0.81





Alu



Plain: Class C
Perf+NW: Class B



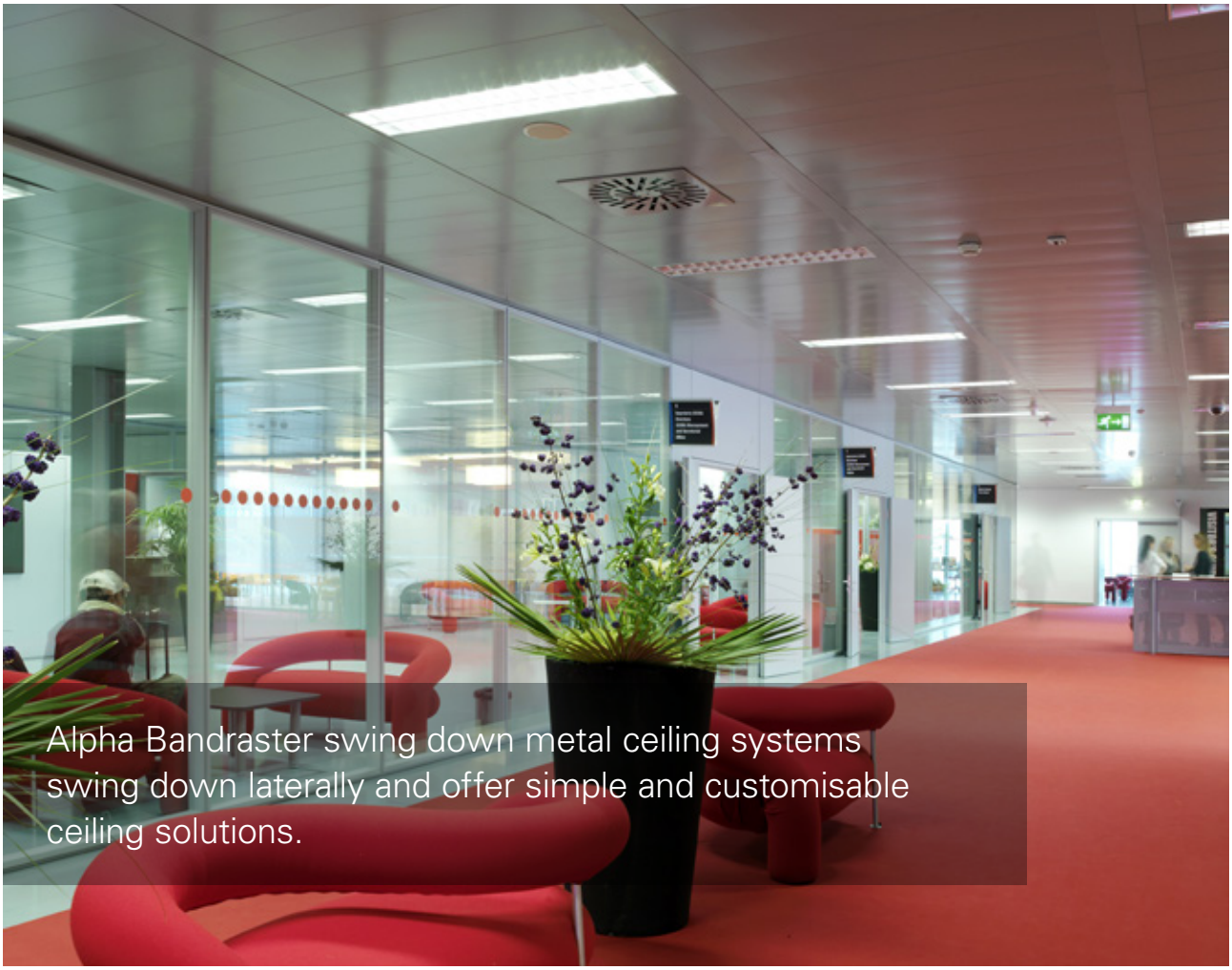
Perf+NW



Plain

PLANKS

ALPHA BANDRASTER SWING-DOWN



Project: Fieramilano, Rho Milano, Italy - Product: Planks Alpha Bandraster

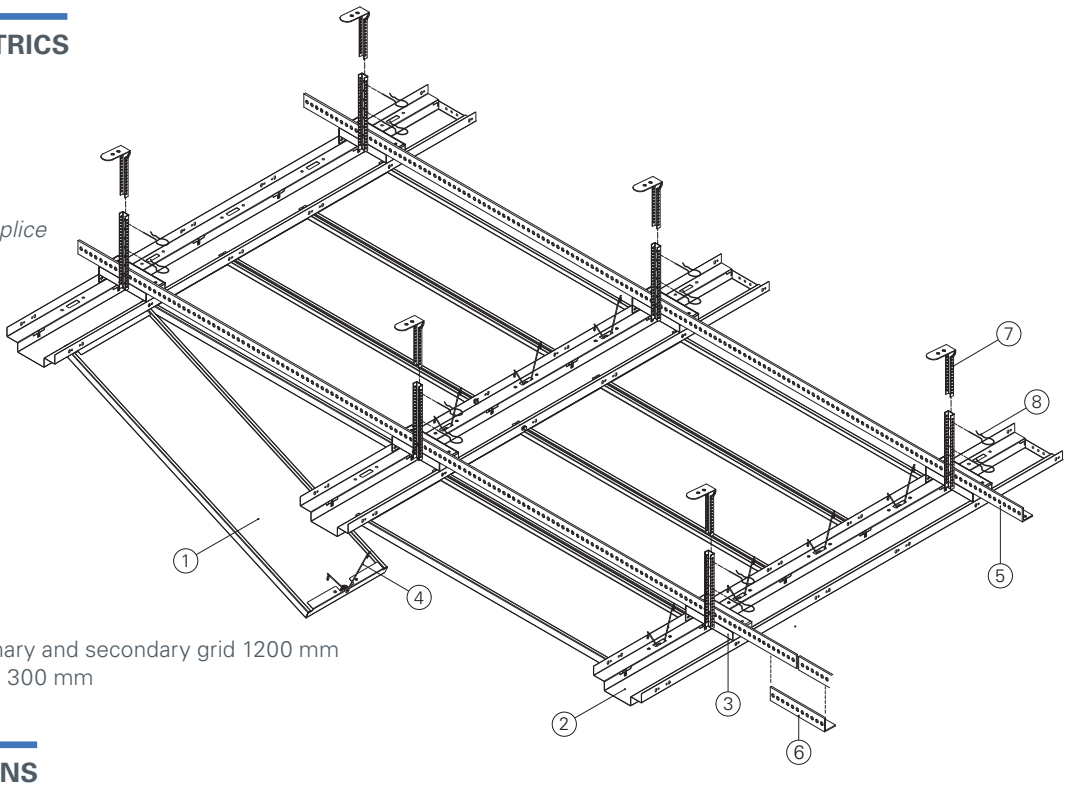
KEY FEATURES

- Panel sizes*:
  - Width: from 300 to 600 mm
  - Length: from 1000 to 2400 mm
- Square-edge design in parallel or cross design installation
- Perforated panels with non-woven tissue for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Swing down feature allows point-access and 100% access to plenum
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

**For large dimensions contact our sales unit*

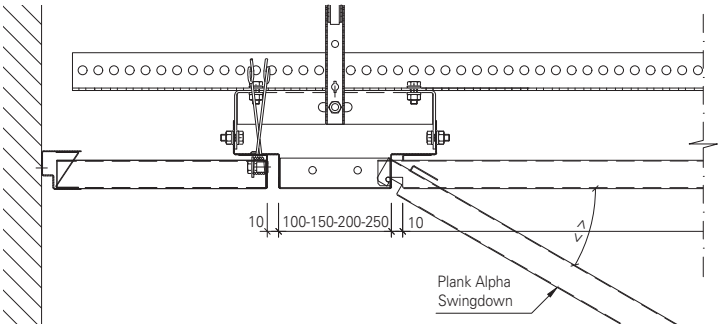
TYPICAL ISOMETRICS

1 = Alpha SD plank
2 = Bandraster
3 = Bracket
4 = Torsion-spring
5 = Primary profile
6 = Primary profile splice
7 = Nonius hanger
8 = Locking clips



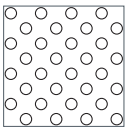
Maximum spans primary and secondary grid 1200 mm
Maximum cantilevers 300 mm

TYPICAL SECTIONS

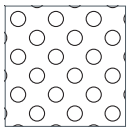


PERFORATION PATTERNS

Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 363-364 for acoustic information.



D1522
Ø 1.5 mm
⇳ 4 ⇔ 4
Openness 22%



D2022
Ø 2 mm
⇳ 5 ⇔ 5
Openness 22%

PHYSICAL DATA







α_W = 0.55-0.90









Al: 4.9 kg/m²
Fe: 7.8 kg/m²



Colours:
See page 100



Varies with finish
RAL9010: LR = 0.81







Alu



Plain: Class C
Perf+NW: Class B



Perf+NW



Plain

PLANKS

ALPHA BANDRASTER TORSION-SPRING



Alpha Bandraster Torsion Spring allows ceiling panels to swing down in any direction from the ceiling plane.

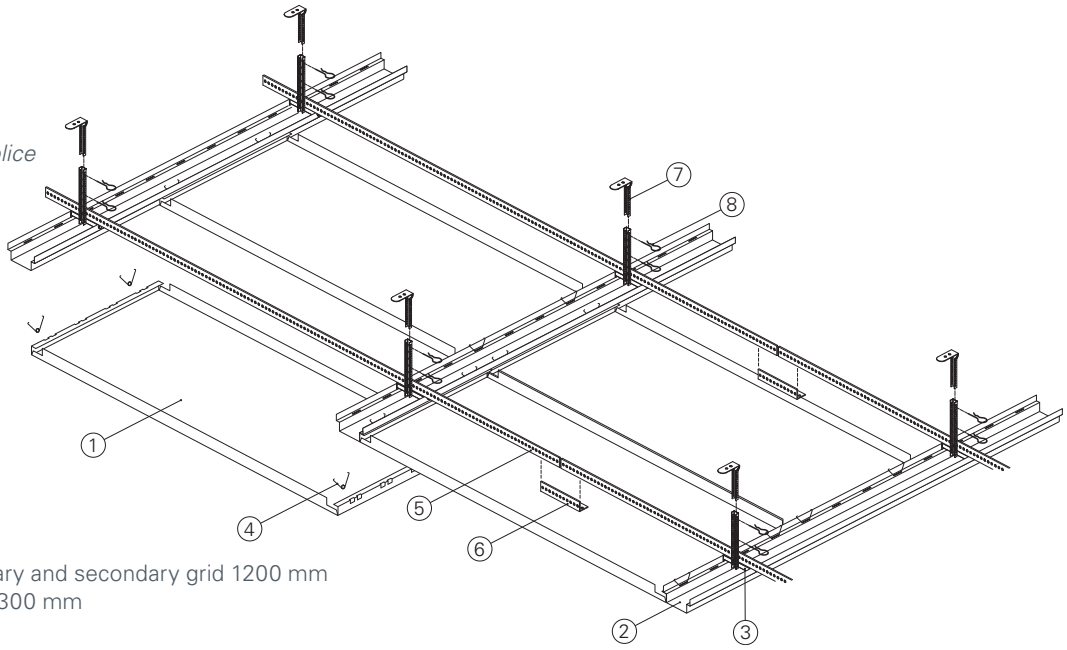
KEY FEATURES

- Panel sizes*:
  - Width: from 100 to 600 mm
  - Length: from 100 to 2400 mm
- Torsion-Spring feature allows point-access and 100% access to plenum
- Square-edge design in parallel or cross design installation
- Perforated panels with non-woven tissue for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

**For large dimensions contact our sales unit*

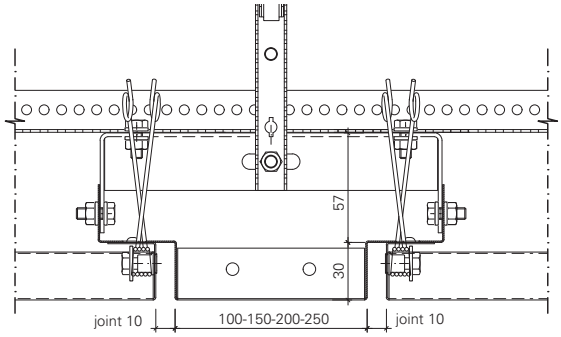
TYPICAL ISOMETRICS

1 = Alpha TS plank
2 = Bandraster
3 = Bracket
4 = Torsion-spring
5 = Primary profile
6 = Primary profile splice
7 = Nonius hanger
8 = Locking clips



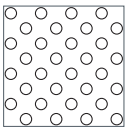
Maximum spans primary and secondary grid 1200 mm
Maximum cantilevers 300 mm

TYPICAL SECTIONS

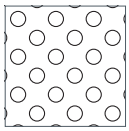


PERFORATION PATTERNS

Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 363-364 for acoustic information.



D1522
Ø 1.5 mm
⇳ 4 ⇔ 4
Openness 22%



D2022
Ø 2 mm
⇳ 5 ⇔ 5
Openness 22%

PHYSICAL DATA







α_W = 0.55-0.90









Al: 4.9 kg/m²
Fe: 7.8 kg/m²



Colours:
See page 100



Varies with finish
RAL9010: LR = 0.81







Alu



Plain: Class C
Perf+NW: Class B



Perf+NW



Plain

PLANKS

COLOUR COLLECTION ALPHA BANDRASTER CEILINGS

COLOURS AND FINISHES

Hunter Douglas offers a wide choice of colours and finishes. Custom colour matching is available upon request. Please contact your local Hunter Douglas sales office for minimum quantities and lead times. See website for the most up to date information. Colours are for illustration purposes only.

STANDARD POWDER COATED COLOURS

Signal White
RAL 9003

Traffic White
RAL 9016

Pure White
RAL 9010


White
Aluminium
RAL 9006


Jet Black
RAL 9005

CUSTOM COLOURS


On Request



Project: Fieramilano, Milan, Italy - Product: Planks Alpha

PLANKS

BETA HOOK-ON SINGULAR



Beta Hook-On Singular metal ceiling systems are best used in larges spaces to create individual patterned ceiling solutions.

Project: Poortvrije Passages Amsterdam, The Netherlands - Product: Hook-On panels - Architect: Benthem Crouwel Architects / Powerhouse Company / Merk X

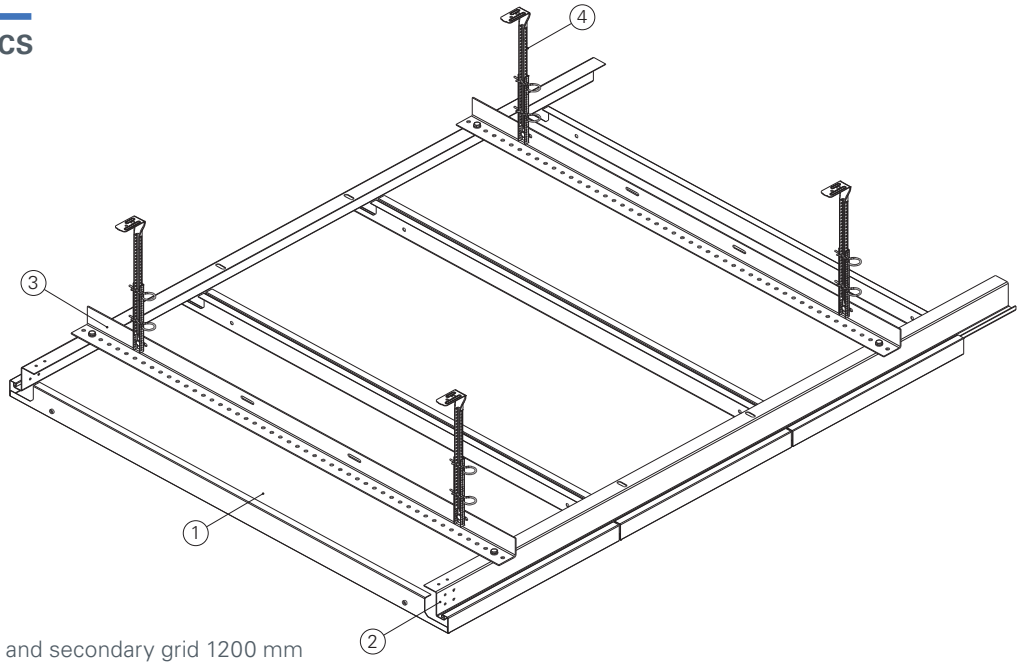
KEY FEATURES

- Panel sizes*:
  - Width: from 300 to 1000 mm
  - Length: from 800 to 3000 mm
- Square-edge design
- Perforated panels with non-woven tissue for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Hook-on feature allows point-access and 100% access to plenum
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

**For large dimensions contact our sales unit*

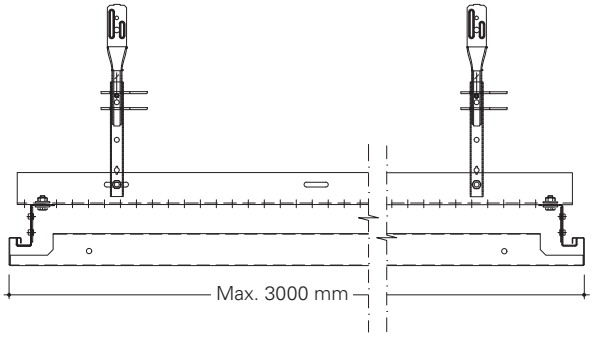
TYPICAL ISOMETRICS

1 = Hook-On plank
2 = Hook-On profile
3 = Primary profile
4 = Suspension



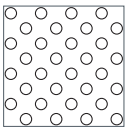
Maximum spans primary and secondary grid 1200 mm
Maximum cantilevers 300 mm

TYPICAL SECTIONS

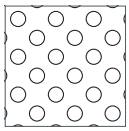


PERFORATION PATTERNS

Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 363-364 for acoustic information.



D1522
Ø 1.5 mm
⇳ 4 ⇔ 4
Openness 22%



D2022
Ø 2 mm
⇳ 5 ⇔ 5
Openness 22%

PHYSICAL DATA



Belgium only

α_w = 0.55-0.90

Al: 4.9 kg/m²
Fe: 7.8 kg/m²



Colours:
See page 112

Varies with finish
RAL9010: LR = 0.81

Alu

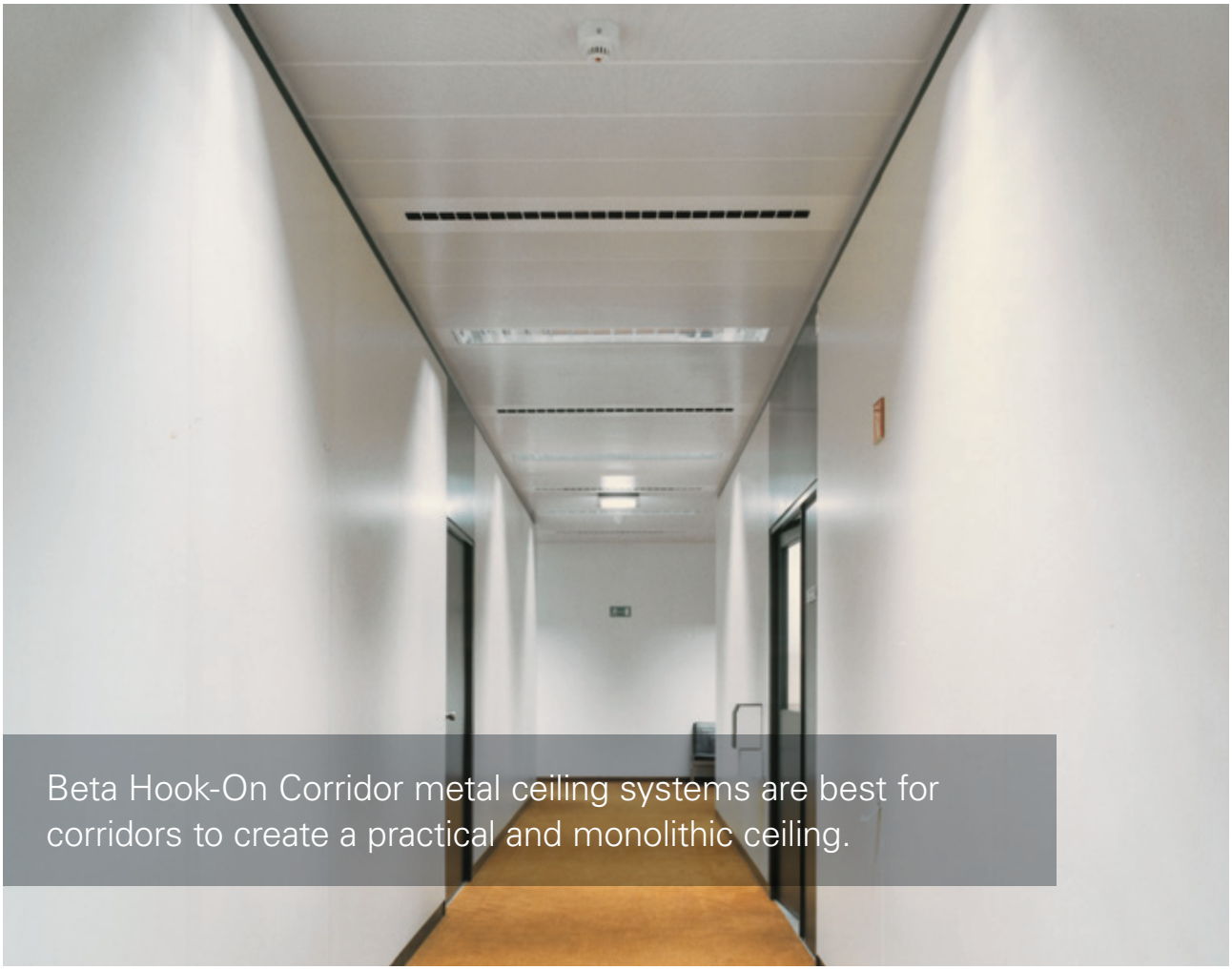
Plain: Class C
Perf+NW: Class B

Perf+NW

Plain

PLANKS

BETA HOOK-ON CORRIDOR



Beta Hook-On Corridor metal ceiling systems are best for corridors to create a practical and monolithic ceiling.

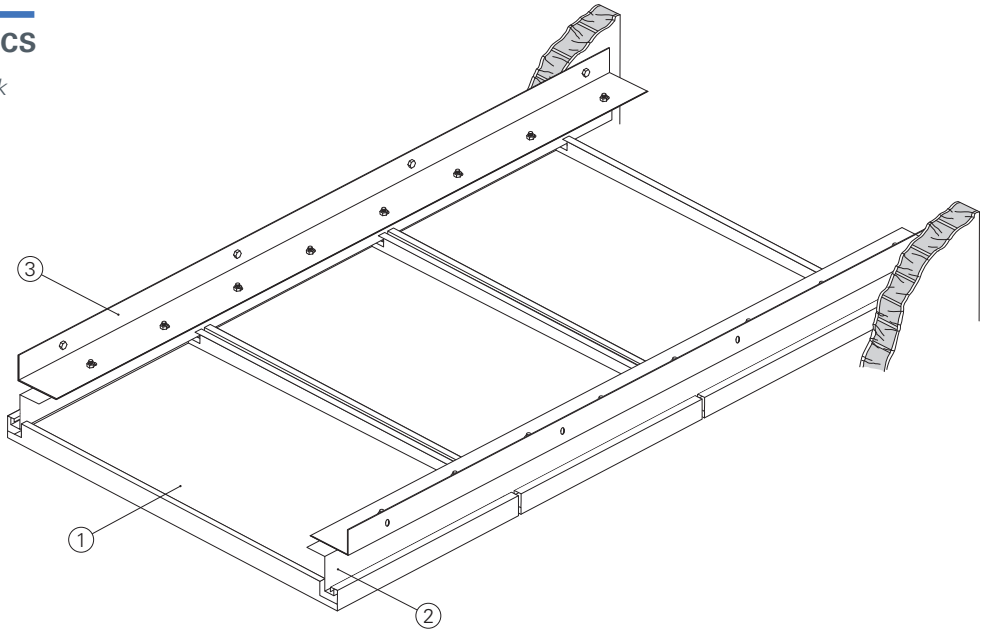
KEY FEATURES

- Panel sizes*:
  - Width: from 300 to 1000 mm
  - Length: from 800 to 3000 mm
- Square-edge design
- Perforated panels with non-woven tissue for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Hook-on feature allows point-access and 100% access to plenum
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

**For large dimensions contact our sales unit*

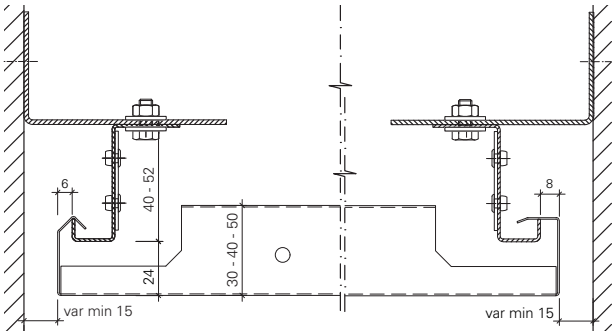
TYPICAL ISOMETRICS

1 = Beta Hook-On plank
2 = Hook-On profile
3 = Wall profile



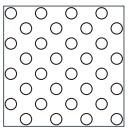
Maximum spans primary and secondary grid 1200 mm
Maximum cantilevers 300 mm

TYPICAL SECTIONS

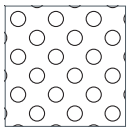


PERFORATION PATTERNS

Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 363-364 for acoustic information.



D1522
Ø 1.5 mm
⇳ 4 ⇔ 4
Openness 22%



D2022
Ø 2 mm
⇳ 5 ⇔ 5
Openness 22%

PHYSICAL DATA







α_W = 0.55-0.90









Al: 4.9 kg/m²
Fe: 7.8 kg/m²



Colours:
See page 112



Varies with finish
RAL9010: LR = 0.81





Alu



Plain: Class C
Perf+NW: Class B



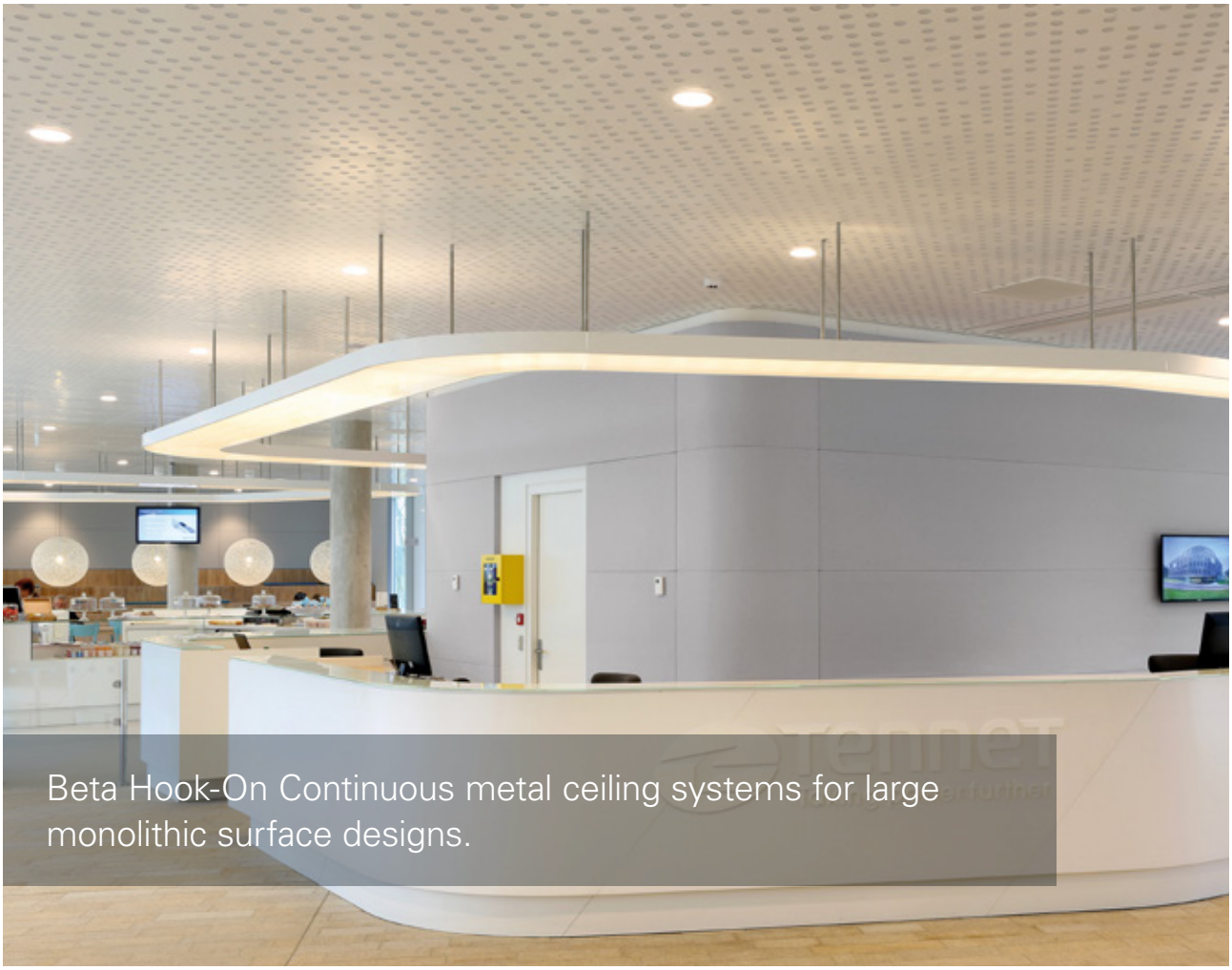
Perf+NW



Plain

PLANKS

BETA HOOK-ON CONTINUOUS



Project: Headquarter European Grid Manager, Arnhem, The Netherlands - Product: Planks Beta (Hook-On Continuous) - Architect: Studio Groen + Schild

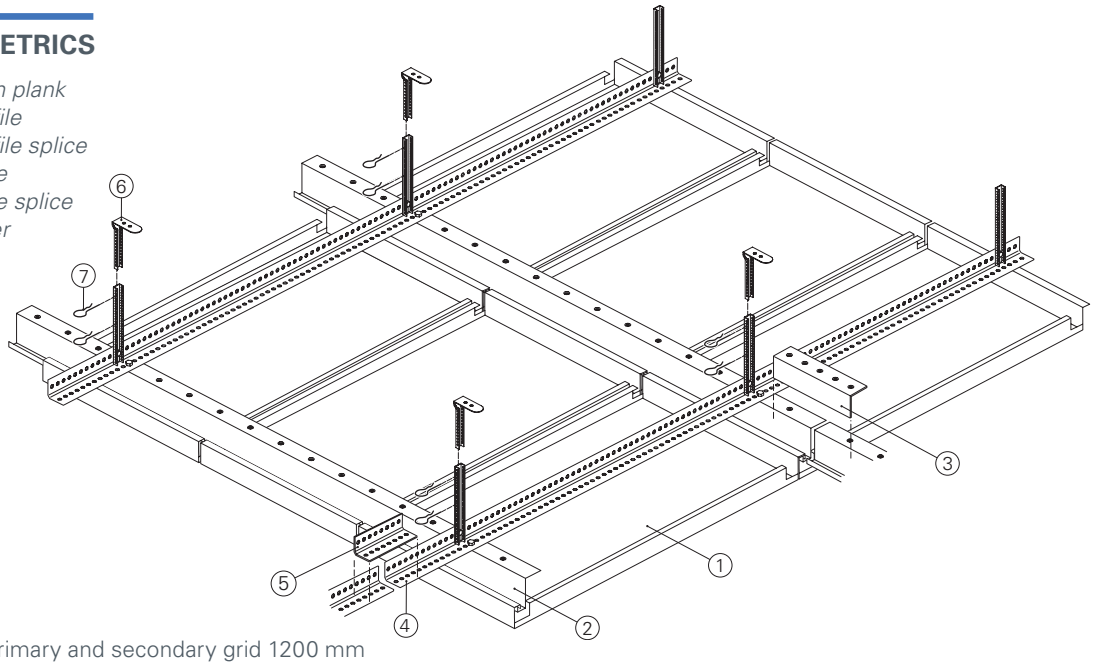
KEY FEATURES

- Panel sizes*:
  - minimum 300 x 1000 mm
  - maximum 800 x 3000 mm
- Square-edge design
- Perforated panels with non-woven tissue for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

**For large dimensions contact our sales unit*

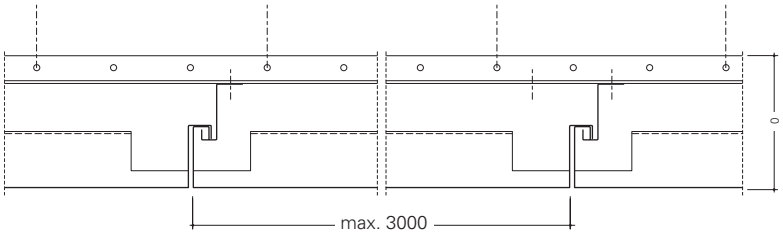
TYPICAL ISOMETRICS

1 = Beta Hook-On plank
2 = Hook-On profile
3 = Hook-On profile splice
4 = Primary profile
5 = Primary profile splice
6 = Nonius hanger
7 = Locking clips



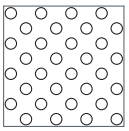
Maximum spans primary and secondary grid 1200 mm
Maximum cantilevers 300 mm

TYPICAL SECTIONS

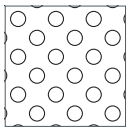


PERFORATION PATTERNS

Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 363-364 for acoustic information.



D1522
Ø 1.5 mm
⇳ 4 ⇔ 4
Openness 22%



D2022
Ø 2 mm
⇳ 5 ⇔ 5
Openness 22%

PHYSICAL DATA







α_W = 0.55-0.90









Al: 4.9 kg/m²
Fe: 7.8 kg/m²



Colours:
See page 112



Varies with finish
RAL9010: LR = 0.81





Alu



Plain: Class C
Perf+NW: Class B



Perf+NW



Plain

PLANKS

BETA HOOK-ON SAFETY-LOOP



Beta Hook-On Safety-Loop when secure panels are important.

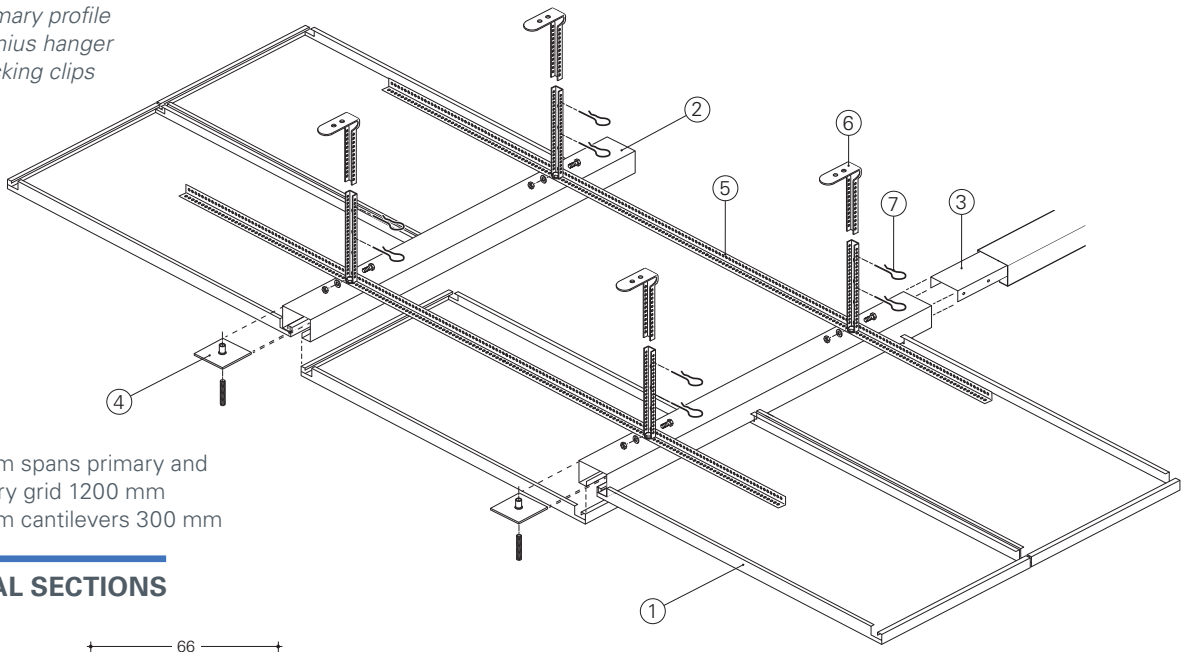
KEY FEATURES

- Panel sizes*:
  - minimum 300 x 1000 mm
  - maximum 800 x 3000 mm
- Square-edge design
- Perforated panels with non-woven tissue for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Safety-Loop feature allows point-access and 100% access to plenum
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

**For large dimensions contact our sales unit*

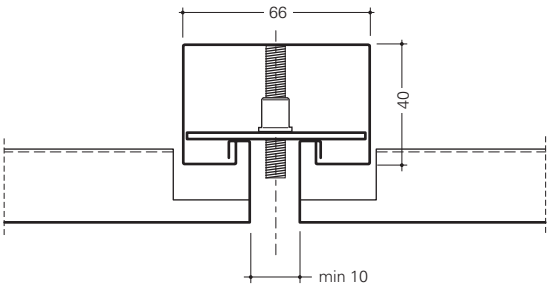
TYPICAL ISOMETRICS

1 = Beta Hook-On plank
2 = Safety-Loop profile
3 = Safety-Loop profile splice
4 = Locking plate with screw
5 = Primary profile
6 = Nonius hanger
7 = Locking clips



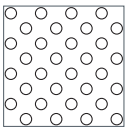
Maximum spans primary and secondary grid 1200 mm
Maximum cantilevers 300 mm

TYPICAL SECTIONS

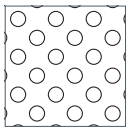


PERFORATION PATTERNS

Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 363-364 for acoustic information.



D1522
Ø 1.5 mm
⇳ 4 ⇔ 4
Openness 22%



D2022
Ø 2 mm
⇳ 5 ⇔ 5
Openness 22%

PHYSICAL DATA



α_W = 0.55-0.90

Al: 4.9 kg/m²
Fe: 7.8 kg/m²



Colours:
See page 112

Varies with finish
RAL9010: LR = 0.81

Alu

Plain: Class C
Perf+NW: Class B

Perf+NW

Plain

PLANKS

BETA HOOK-ON ISOLA



Project: Centro Commerciale Top Center, Trento, Italy - Product: Planks Beta Hook-on Isola

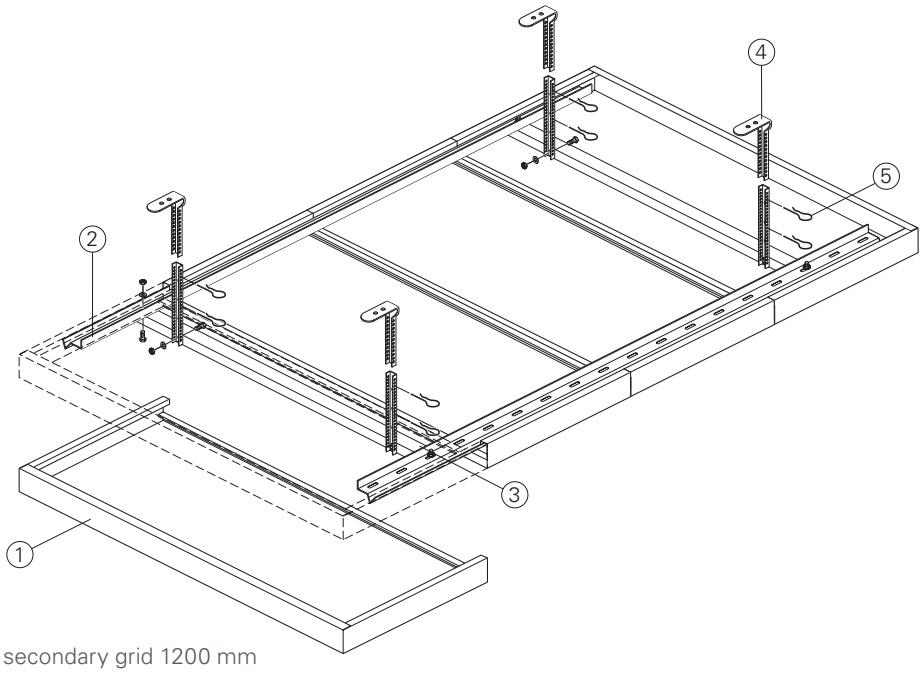
KEY FEATURES

- Panel sizes*:
  - minimum 300 x 600 mm
  - maximum 800 x 2000 mm
- Square-edge design
- Perforated panels with non-woven tissue for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Hook-on feature allows point-access and 100% access to plenum
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

**For large dimensions contact our sales unit*

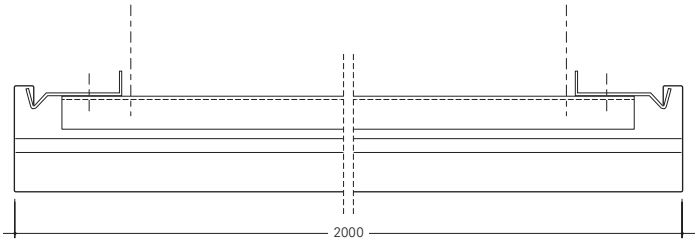
TYPICAL ISOMETRICS

1 = Beta Isola plank
2 = Hook-On profile
3 = Primary profile
4 = Nonius hanger
5 = Locking clips



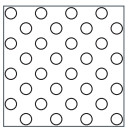
Maximum spans primary and secondary grid 1200 mm
Maximum cantilevers 300 mm

TYPICAL SECTIONS

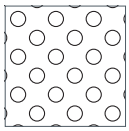


PERFORATION PATTERNS

Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 363-364 for acoustic information.



D1522
Ø 1.5 mm
⇳ 4 ⇿ 4
Openness 22%



D2022
Ø 2 mm
⇳ 5 ⇿ 5
Openness 22%

PHYSICAL DATA







α_W = 0.55-0.90









Al: 4.9 kg/m²
Fe: 7.8 kg/m²



Colours:
See page 112



Varies with finish
RAL9010: LR = 0.81





Alu



Plain: Class C
Perf+NW: Class B



Perf+NW



Plain

PLANKS

COLOUR COLLECTION BETA HOOK-ON CEILINGS

COLOURS AND FINISHES

Hunter Douglas offers a wide choice of colours and finishes. Custom colour matching is available upon request. Please contact your local Hunter Douglas sales office for minimum quantities and lead times. See website for the most up to date information. Colours are for illustration purposes only.

STANDARD POWDER COATED COLOURS

Signal White RAL 9003

Traffic White RAL 9016

Pure White RAL 9010

White Aluminium RAL 9006

Jet Black RAL 9005

CUSTOM COLOURS



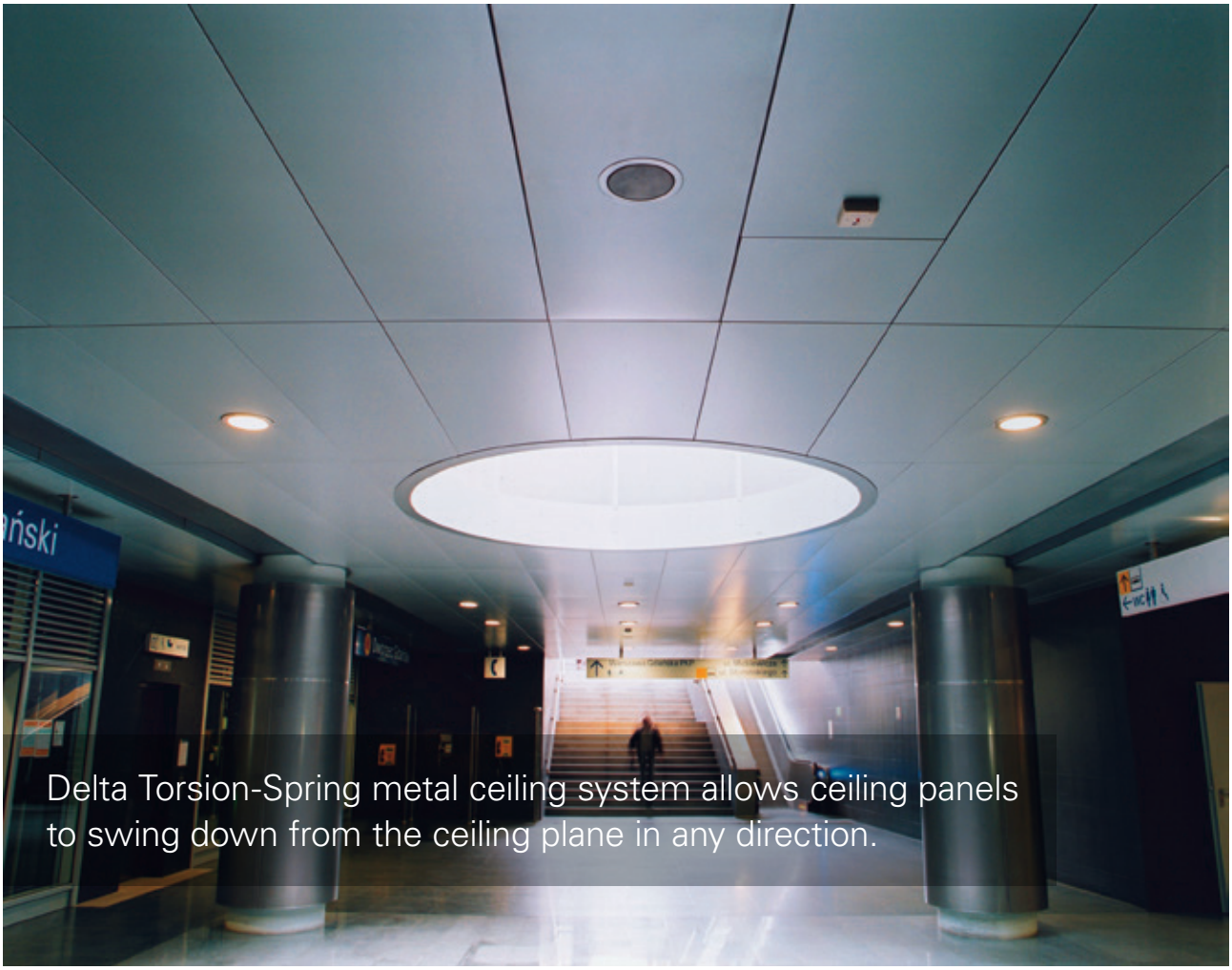
On Request



Project: Indianapolis Airport, Indianapolis, North America, USA - Product: Planks Beta (Isola) - Architect: AeroDesign Group and HOK

PLANKS

DELTA TORSION SPRING CONTINUOUS



Delta Torsion-Spring metal ceiling system allows ceiling panels to swing down from the ceiling plane in any direction.

Project: Gdanska underground station, Warsaw, Poland - Product: Planks Delta Torsion Spring Continuous - Architect: APA Kuryłowicz

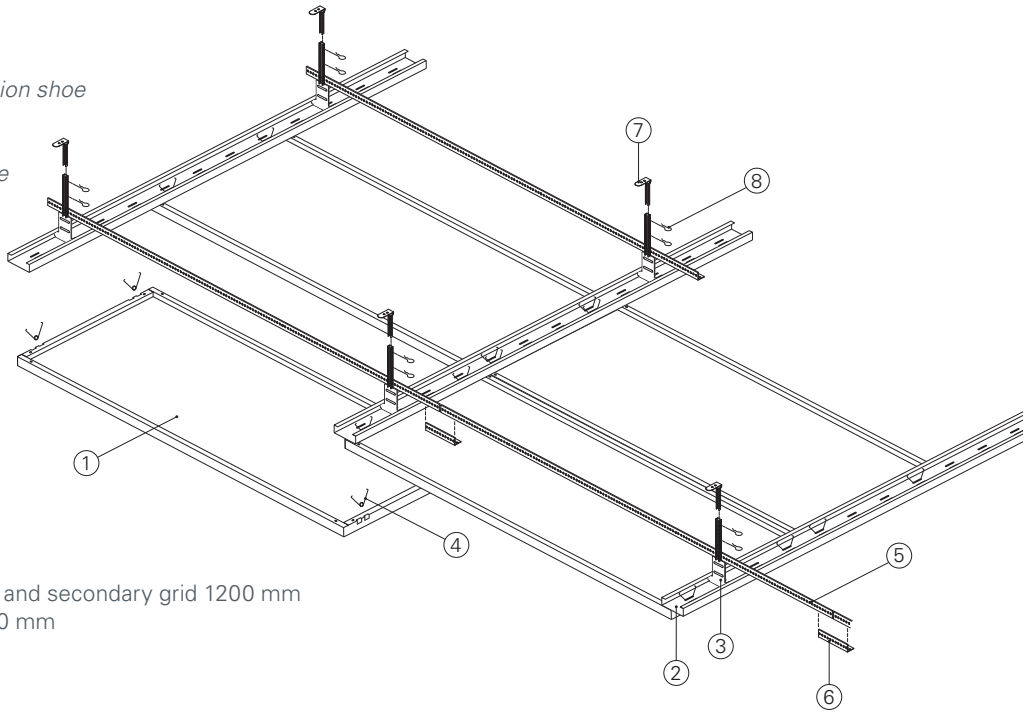
KEY FEATURES

- Panel sizes*:
  - Width: from 300 to 1000 mm
  - Length: from 1000 to 2400 mm
- Torsion-Spring feature allows point-access and 100% access to plenum
- Square-edge design
- Perforated panels with non-woven tissue for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

**For large dimensions contact our sales unit*

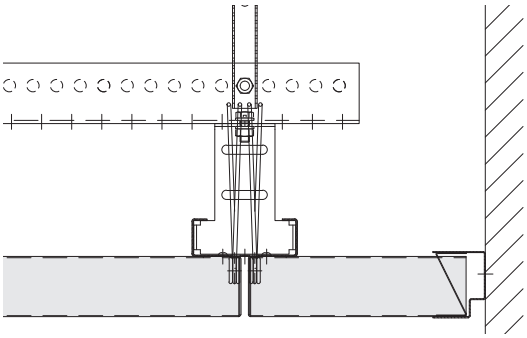
TYPICAL ISOMETRICS

1 = Delta plank
2 = Bandraster profile
3 = Bandraster suspension shoe
4 = Torsion-Spring
5 = Primary profile
6 = Primary profile splice
7 = Nonius hanger
8 = Locking clips



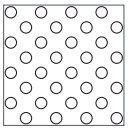
Maximum spans primary and secondary grid 1200 mm
Maximum cantilevers 300 mm

TYPICAL SECTIONS

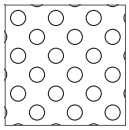


PERFORATION PATTERNS

Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 363-364 for acoustic information.



D1522
Ø 1.5 mm
⇳ 4 ⇔ 4
Openness 22%



D2022
Ø 2 mm
⇳ 5 ⇔ 5
Openness 22%

PHYSICAL DATA



α_W = 0.55-0.90

Al: 4.9 kg/m²
Fe: 7.8 kg/m²



Colours:
See page 116

Varies with finish
RAL9010: LR = 0.81

Alu

Plain: Class C
Perf+NW: Class B

Perf+NW

Plain

PLANKS

COLOUR COLLECTION DELTA CEILINGS

COLOURS AND FINISHES

Hunter Douglas offers a wide choice of colours and finishes. Custom colour matching is available upon request. Please contact your local Hunter Douglas sales office for minimum quantities and lead times. See website for the most up to date information. Colours are for illustration purposes only.

STANDARD POWDER COATED COLOURS

Signal White RAL 9003

Traffic White RAL 9016

Pure White RAL 9010

White Aluminium RAL 9006

Jet Black RAL 9005

CUSTOM COLOURS

On Request



Project: Shopping Center Gelderlandplein, Amsterdam, the Netherlands - Product: Planks Delta B (Torsion-Spring Continuous) - Architect: Rijnboutt

GAMMA LAY-ON



Gamma Lay-On metal ceilings are offered in a wide range of sizes, with square edge details for standard grid options.

Project: Brussels Airport Connector, Brussels, Belgium - Product: Gamma Lay-on Plank (Omega bandraster) - Architect: Chapman Taylor Benelux

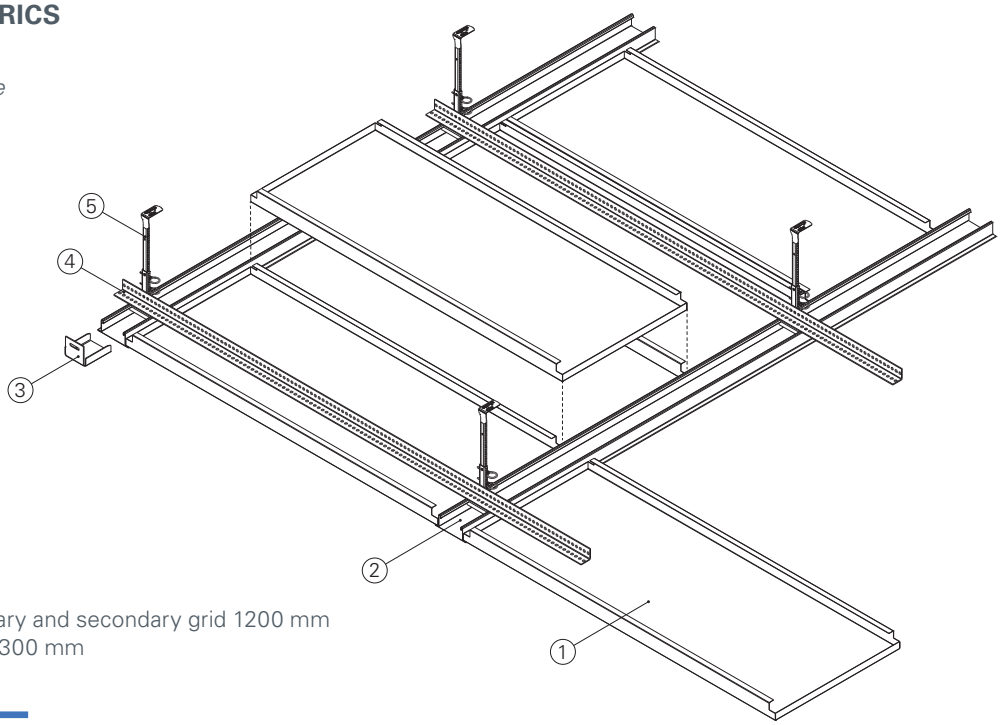
KEY FEATURES

- Panel sizes*:
  - Width: from 300 to 600 mm
  - Length: from 800 to 2400 mm
- Square-edge design
- Perforated panels with non-woven tissue for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Easy installation - no fasteners/tools required
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

**For large dimensions contact our sales unit*

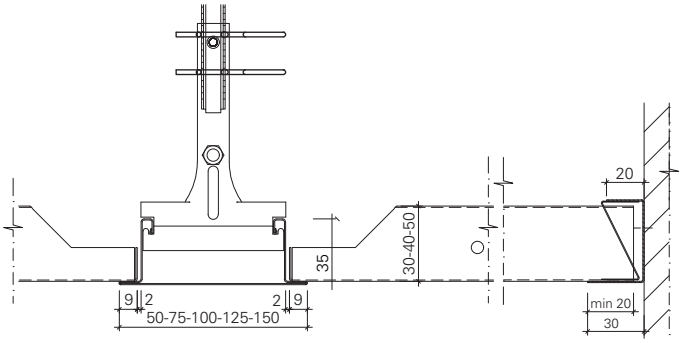
TYPICAL ISOMETRICS

1 = Lay-On plank
2 = Bandraster profile
3 = Wall bracket
4 = Primary profile
5 = Nonius hanger



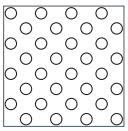
Maximum spans primary and secondary grid 1200 mm
Maximum cantilevers 300 mm

TYPICAL SECTIONS

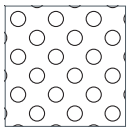


PERFORATION PATTERNS

Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 363-364 for acoustic information.



D1522
Ø 1.5 mm
⇳ 4 ⇔ 4
Openness 22%



D2022
Ø 2 mm
⇳ 5 ⇔ 5
Openness 22%

PHYSICAL DATA



Belgium only

α_w = 0.55-0.90

Al: 4.9 kg/m²
Fe: 7.8 kg/m²



Colours:
See page 120

Varies with finish
RAL9010: LR = 0.81

Alu

Plain: Class C
Perf+NW: Class B

Perf+NW

Plain

PLANKS

COLOUR COLLECTION GAMMA CEILINGS

COLOURS AND FINISHES

Hunter Douglas offers a wide choice of colours and finishes. Custom colour matching is available upon request. Please contact your local Hunter Douglas sales office for minimum quantities and lead times. See website for the most up to date information. Colours are for illustration purposes only.

STANDARD POWDER COATED COLOURS

Signal White
RAL 9003

Traffic White
RAL 9016

Pure White
RAL 9010


White
Aluminium
RAL 9006


Jet Black
RAL 9005

CUSTOM COLOURS


On Request



Project: Sint-Vincentius GZA Ziekenhuizen, Berchem, Belgium - Product: Planks Gamma (Lay-On planks) - Architect: Architectenbureau De Vloed

TILES LAY-IN



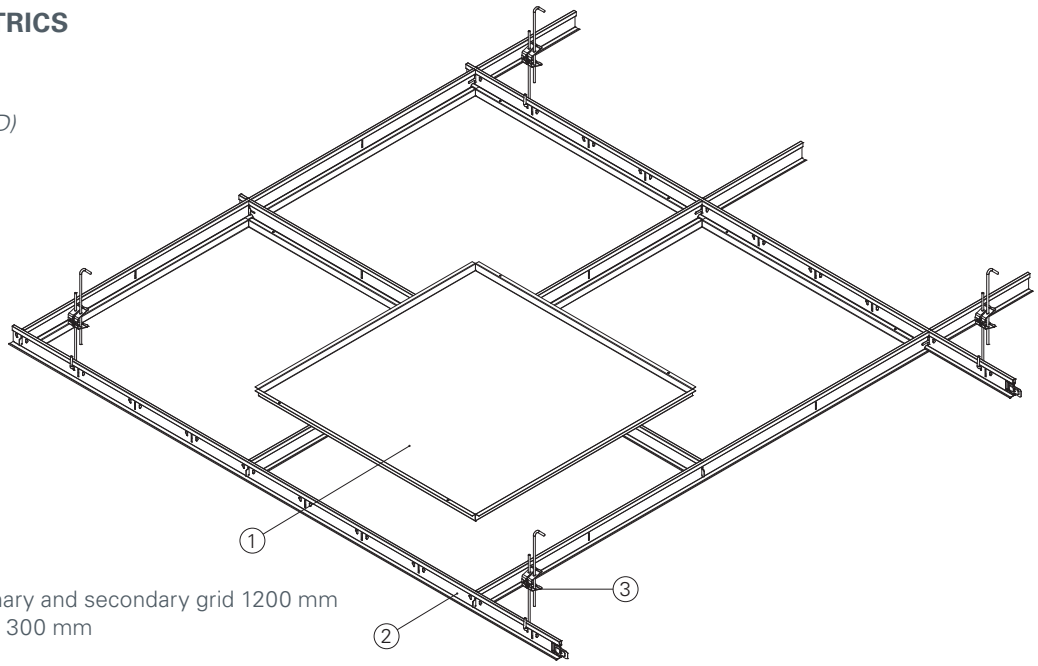
Project: ABN Amro, The Hague, The Netherlands - Product: Tiles (Lay-In T24/0) - Architect: T en W architecten

KEY FEATURES

- Standard dimension 600 x 600 mm
- Square edges. Options: T15/8, T24/0, T24/8, T24/16
- Perforated panels with non-woven tissue for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Easy installation - no fasteners or tools required
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

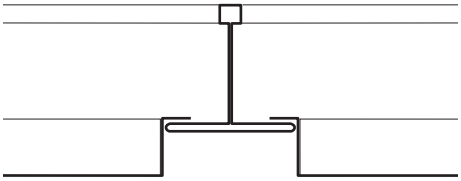
TYPICAL ISOMETRICS

1 = Lay-In tile
2 = T-grid (non HD)
3 = Hangers (non HD)



Maximum spans primary and secondary grid 1200 mm
Maximum cantilevers 300 mm

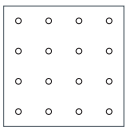
TYPICAL SECTIONS



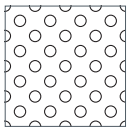
Lay-In

PERFORATION PATTERNS

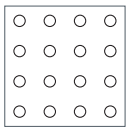
Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 364 for acoustic information.



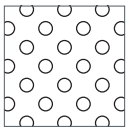
R0803
Ø 0.75 mm
⇳ 4 ⇿ 4
Openness 3%



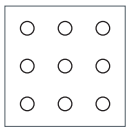
D1522
Ø 1.5 mm
⇳ 4 ⇿ 4
Openness 22%



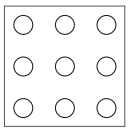
R1511
Ø 1.5 mm
⇳ 4 ⇿ 4
Openness 11%



D1820
Ø 1.8 mm
⇳ 5 ⇿ 5
Openness 20%



R1810
Ø 1.8 mm
⇳ 5 ⇿ 5
Openness 10%



R2516
Ø 2.5 mm
⇳ 5.5 ⇿ 5.5
Openness 16%

PHYSICAL DATA





Belgium only





α_W = 0.55-0.90









Al: 4.9 kg/m²
Fe: 7.8 kg/m²



Colours:
See page 128



Varies with finish
RAL9010: LR = 0.81





Alu



Plain: Class C
Perf+NW: Class B

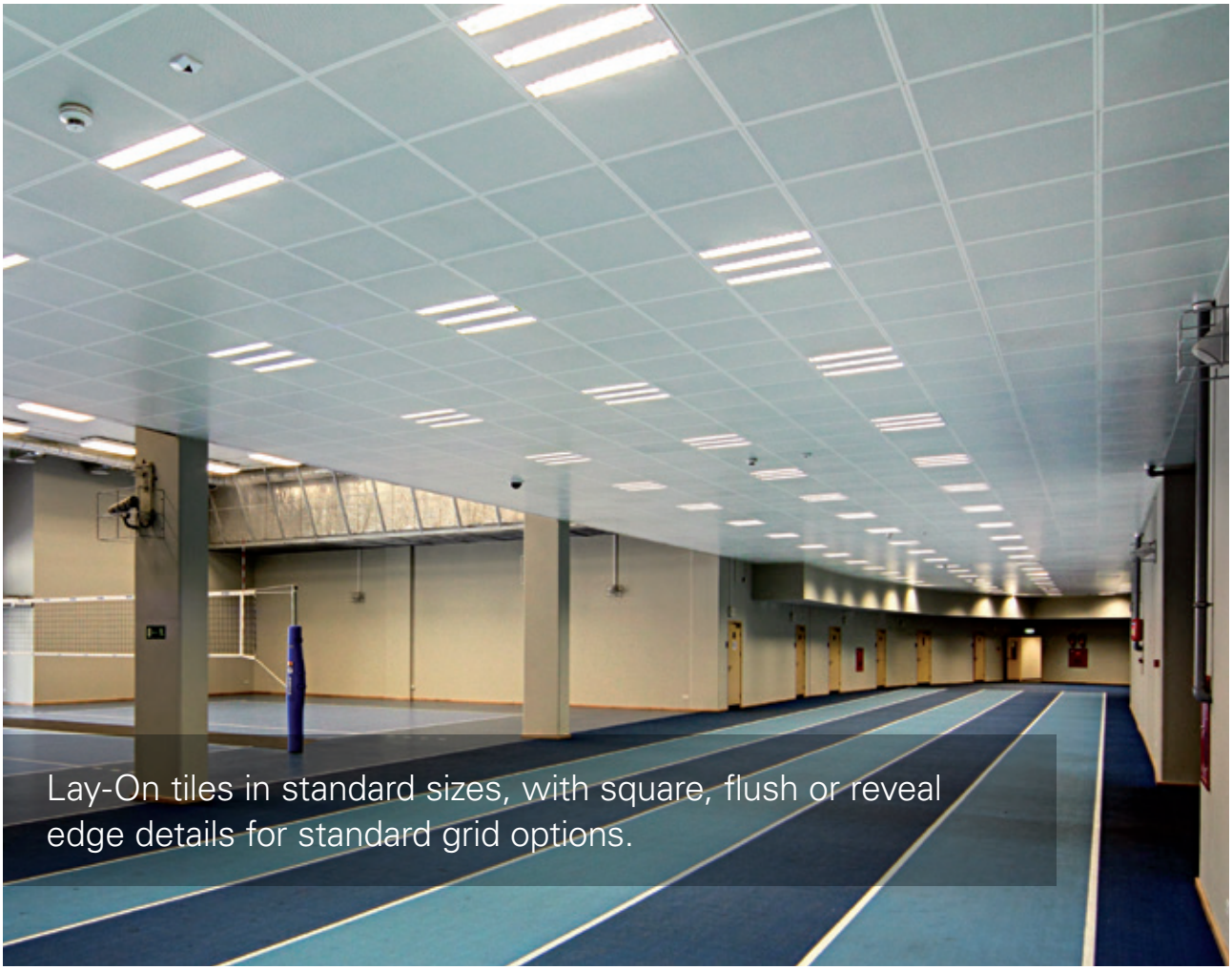


Perf+NW



Plain

TILES LAY-ON



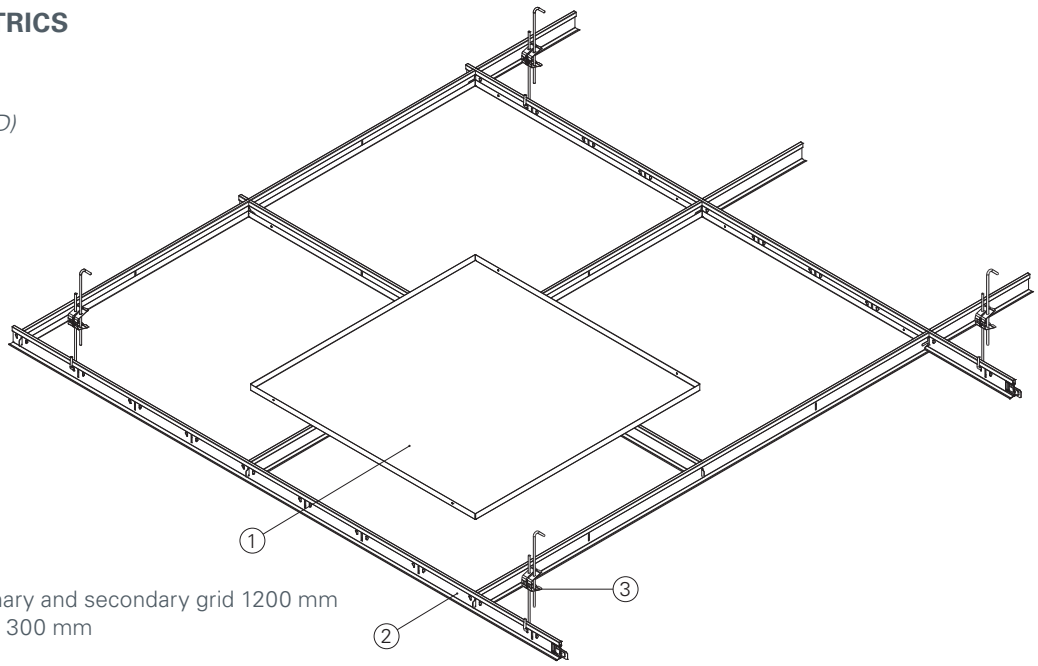
Project: Atlas Arena- Sport and Entertaiment hall, Lodz, Poland - Product: Tiles (Lay-On T24) - Architect: ATJ

KEY FEATURES

- Standard dimension 600 x 600 mm
- Options: T15, T24
- Perforated panels with non-woven tissue for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Easy installation - no fasteners or tools required
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

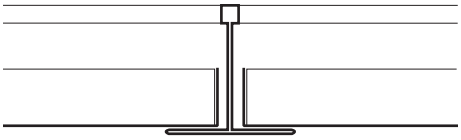
TYPICAL ISOMETRICS

1 = Lay-On tile
2 = T-grid (non HD)
3 = Hangers (non HD)



Maximum spans primary and secondary grid 1200 mm
Maximum cantilevers 300 mm

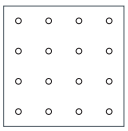
TYPICAL SECTIONS



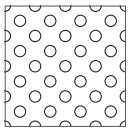
Lay-On

PERFORATION PATTERNS

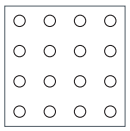
Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 364 for acoustic information.



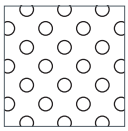
R0803
Ø 0.75 mm
⇳ 4 ⇿ 4
Openness 3%



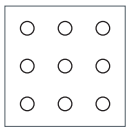
D1522
Ø 1.5 mm
⇳ 4 ⇿ 4
Openness 22%



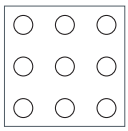
R1511
Ø 1.5 mm
⇳ 4 ⇿ 4
Openness 11%



D1820
Ø 1.8 mm
⇳ 5 ⇿ 5
Openness 20%



R1810
Ø 1.8 mm
⇳ 5 ⇿ 5
Openness 10%



R2516
Ø 2.5 mm
⇳ 5.5 ⇿ 5.5
Openness 16%

PHYSICAL DATA





Belgium only





α_W = 0.55-0.90









Al: 4.9 kg/m²
Fe: 7.8 kg/m²



Colours:
See page 128



Varies with finish
RAL9010: LR = 0.81





Alu



Plain: Class C
Perf+NW: Class B

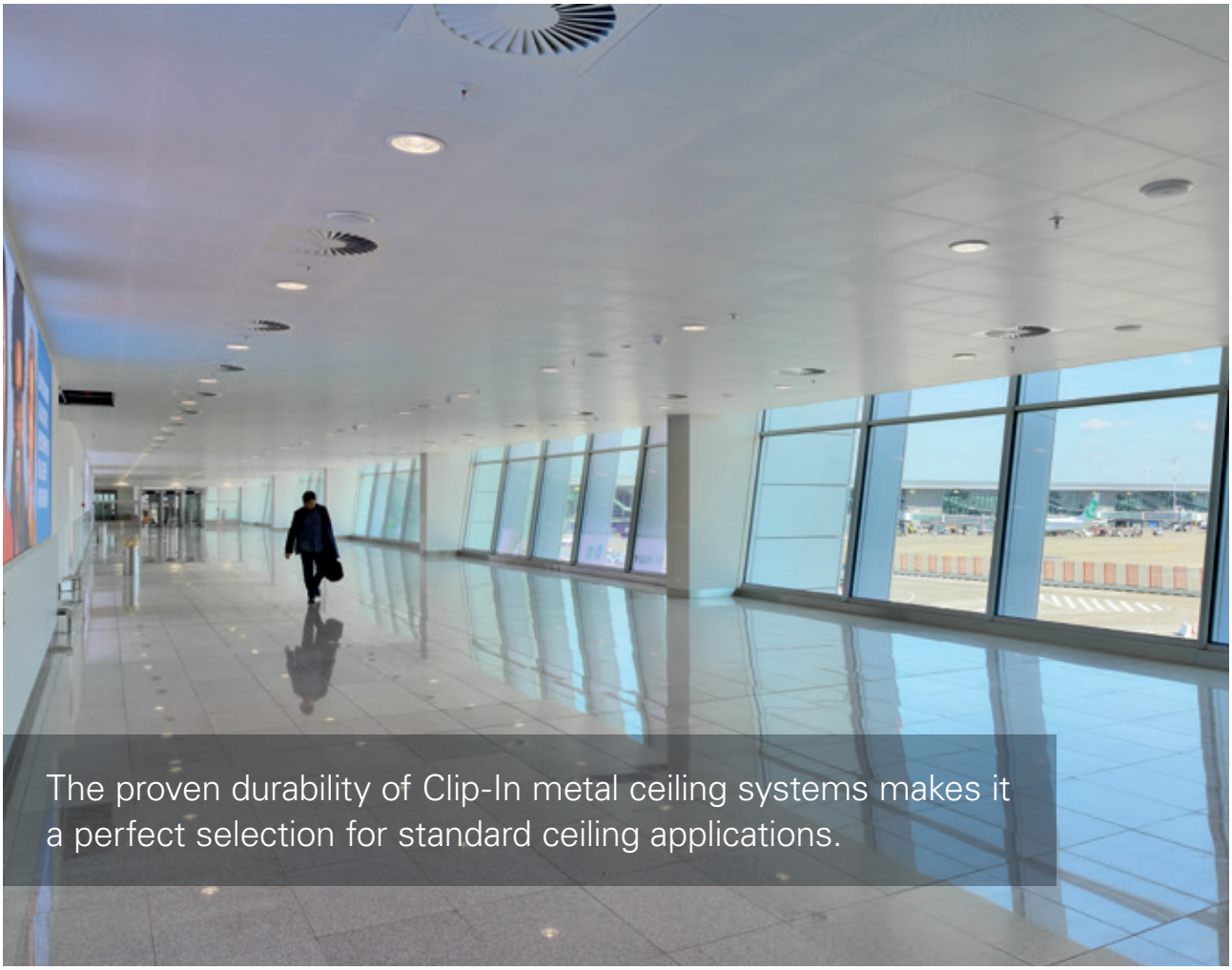


Perf+NW



Plain

TILES CLIP-IN



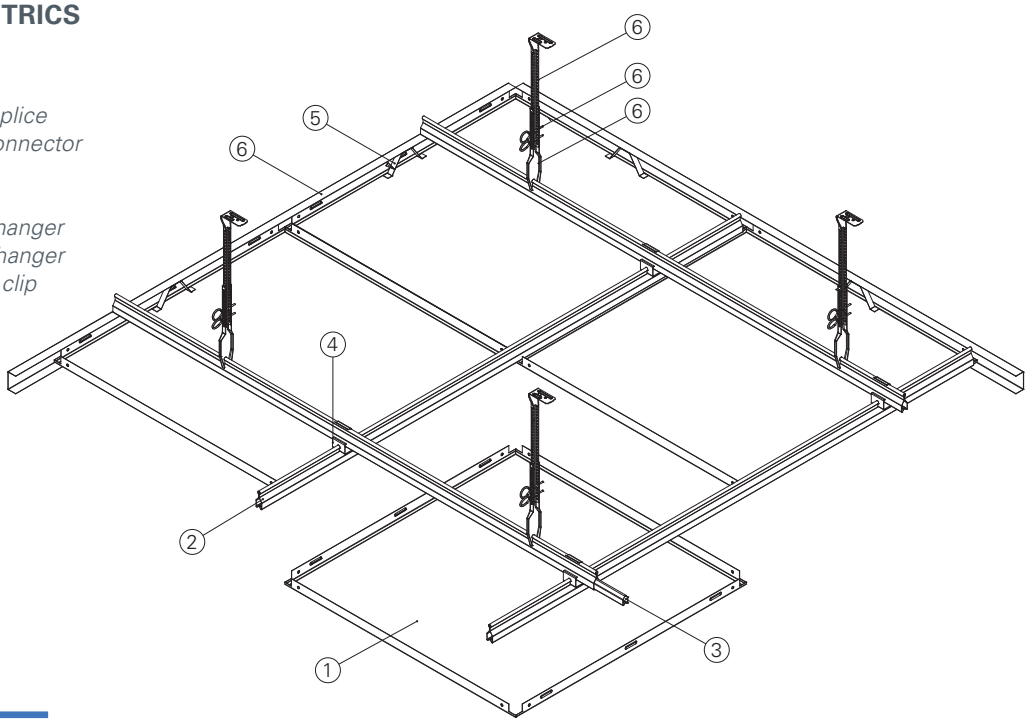
Project: Brussels Airport Connector, Brussels, Belgium - Product: Tile (Clip-In) - Architect: Chapman Taylor Benelux

KEY FEATURES

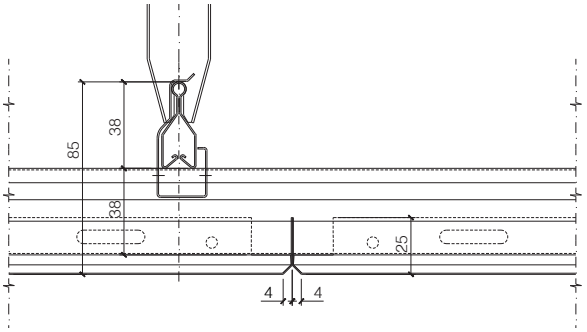
- Standard dimensions 600 x 600 mm
  600 x 1200 mm
- Bevelled edges 4 mm
- Perforated panels with non-woven tissue for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Easy installation - no fasteners or tools required
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

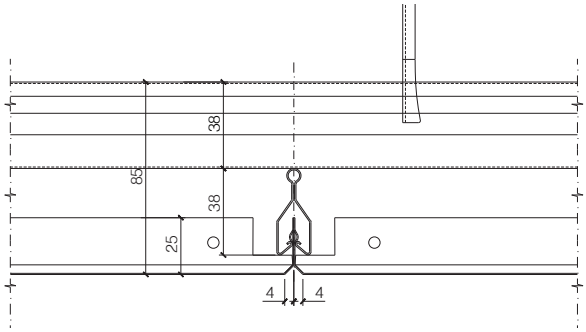
TYPICAL ISOMETRICS

1 = Clip-In Tile
2 = Clip-In carrier
3 = Clip-In carrier splice
4 = Carrier cross connector
5 = Hold down clip
6 = Edge profile
7 = Upper Nonius hanger
8 = Lower Nonius hanger
9 = Nonius locking clip



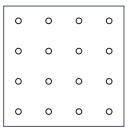
TYPICAL SECTIONS



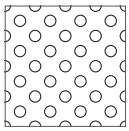


PERFORATION PATTERNS

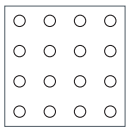
Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 364 for acoustic information.



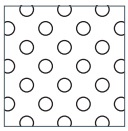
R0803
Ø 0.75 mm
⇳ 4 ⇿ 4
Openness 3%



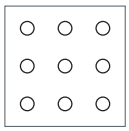
D1522
Ø 1.5 mm
⇳ 4 ⇿ 4
Openness 22%



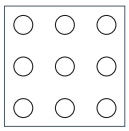
R1511
Ø 1.5 mm
⇳ 4 ⇿ 4
Openness 11%



D1820
Ø 1.8 mm
⇳ 5 ⇿ 5
Openness 20%



R1810
Ø 1.8 mm
⇳ 5 ⇿ 5
Openness 10%



R2516
Ø 2.5 mm
⇳ 5.5 ⇿ 5.5
Openness 16%

PHYSICAL DATA







α_W = 0.55-0.90









Al: 4.9 kg/m²
Fe: 7.8 kg/m²



Colours:
See page 128



Varies with finish
RAL9010: LR = 0.81





Alu



Plain: Class C
Perf+NW: Class B



Perf+NW



Plain

COLOURS AND FINISHES

Hunter Douglas offers a wide choice of colours and finishes. Custom colour matching is available upon request. Please contact your local Hunter Douglas sales office for minimum quantities and lead times. See website for the most up to date information. Colours are for illustration purposes only.

STANDARD POWDER COATED COLOURS

Signal White RAL 9003

Traffic White RAL 9016

Pure White RAL 9010

White Aluminium RAL 9006

CUSTOM COLOURS



On Request



Project: ABN Amro, The Hague, The Netherlands - Product: Tiles (Lay-In) - Architect: T en W architecten

STRETCH METAL
TILES LAY-IN



Stretch Metal Lay-In tiles in standard sizes, with square, flush or reveal edge details for standard grid options.

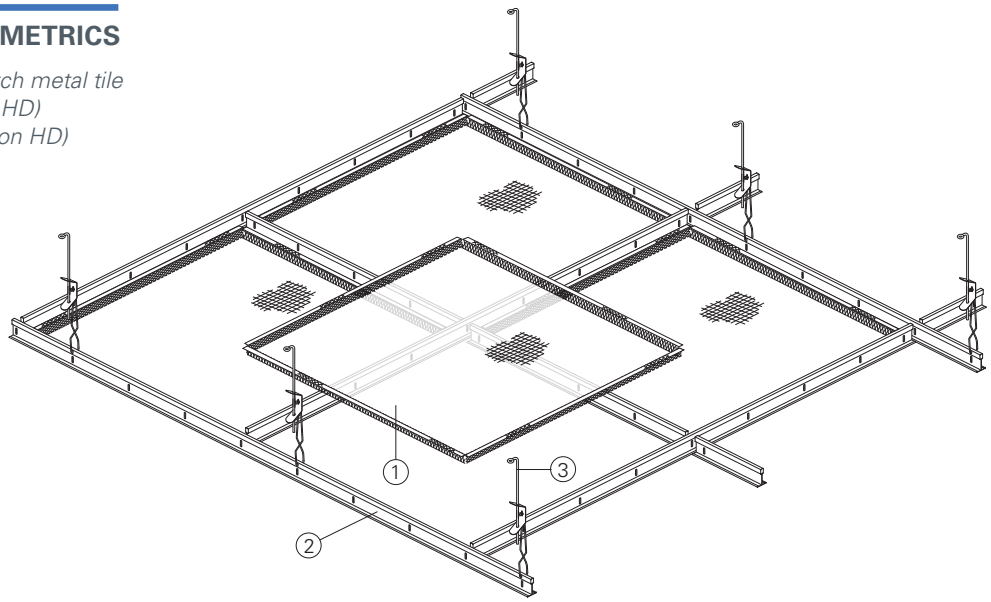
Project: Biljartfabriek, Zwolle, The Netherlands - Product: Stretch Metal Tiles (Lay-In) - Architect: BDG Architecten

KEY FEATURES

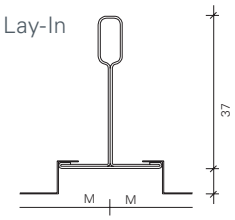
- Standard dimension 600 x 600 mm
- Edge options: square, flush, reveal
- Mesh panels with lay-on pads for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Easy installation - no fasteners or tools required
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

TYPICAL ISOMETRICS

1 = Lay-In/stretch metal tile
2 = T-grid (non HD)
3 = Hangers (non HD)



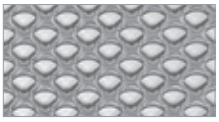
TYPICAL SECTIONS



Lay-In	**T15:** 8	**T24:** 8	**T24:** 0
Module	600 x 600	600 x 600	600 x 600
Grid	15 mm	24 mm	24 mm
Reveal	8 mm	8 mm	0 mm

MESH PATTERNS

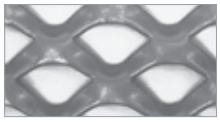
Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 364 for acoustic information.

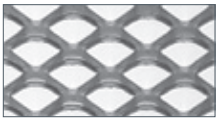

LS6 (Fe)


LS8 (Fe)


LS10 (Fe)


LS12 (Fe)


LS16 (Fe)


LD10 (Fe)


LD16 (Fe)

PHYSICAL DATA






α_W = 0.55-1.00









Depends on Meshtype


Colours:
See page 148


Varies with finish




Alu



Class B





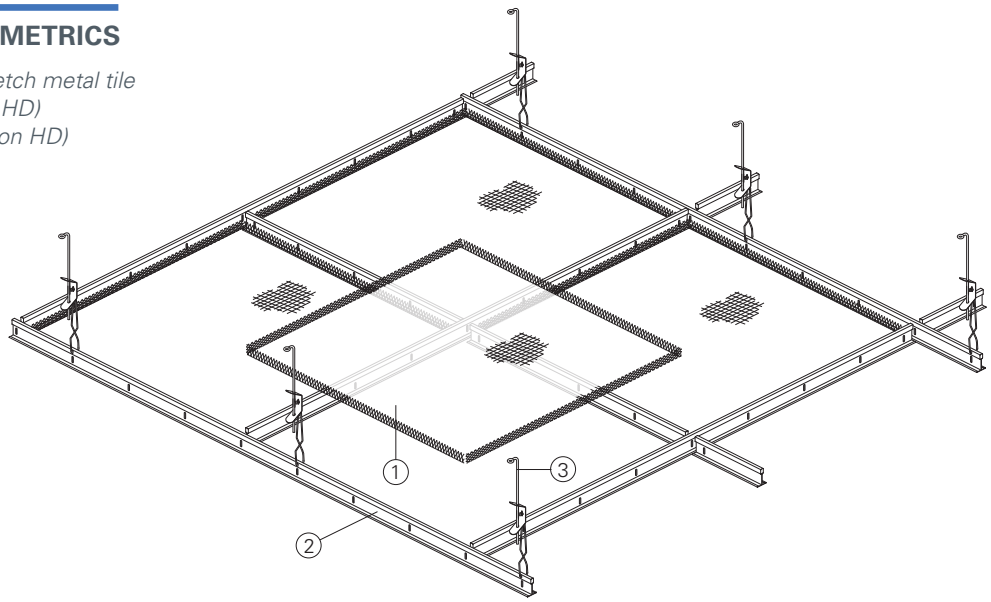
Project: Trento Shopping Center, Trento, Italy - Product: Stretch Metal Tiles (lay-On)

KEY FEATURES

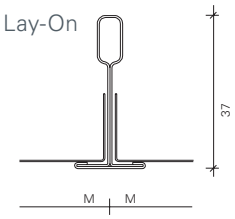
- Standard dimension 600 x 600 mm
- Edge options: square, flush, reveal
- Mesh panels with lay-on pads for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Easy installation - no fasteners or tools required
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

TYPICAL ISOMETRICS

1 = Lay-On stretch metal tile
2 = T-grid (non HD)
3 = Hangers (non HD)



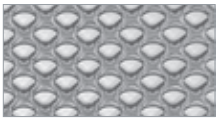
TYPICAL SECTIONS



Lay-On	T15	T24
Module	600 x 600	600 x 600
Grid	15 mm	24 mm
Reveal	0 mm	0 mm

MESH PATTERNS

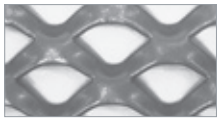
Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 364 for acoustic information.

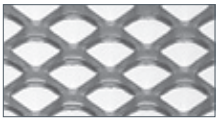

LS6 (Fe)


LS8 (Fe)


LS10 (Fe)


LS12 (Fe)


LS16 (Fe)


LD10 (Fe)


LD16 (Fe)

PHYSICAL DATA






α_W = 0.55-1.00









Depends on Meshtype


Colours:
See page 148


Varies with finish




Alu

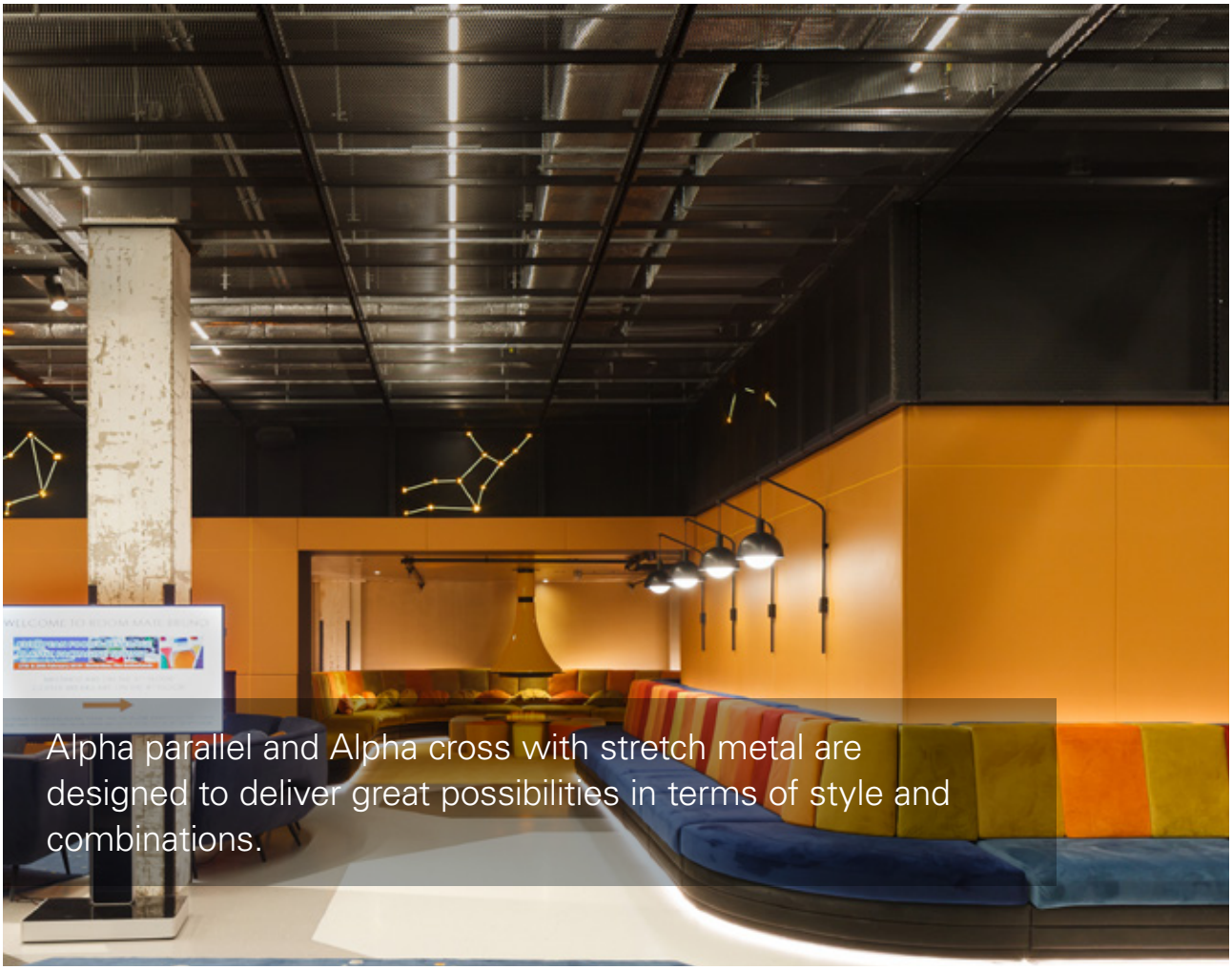


Class B



STRETCH METAL

ALPHA BANDRASTER



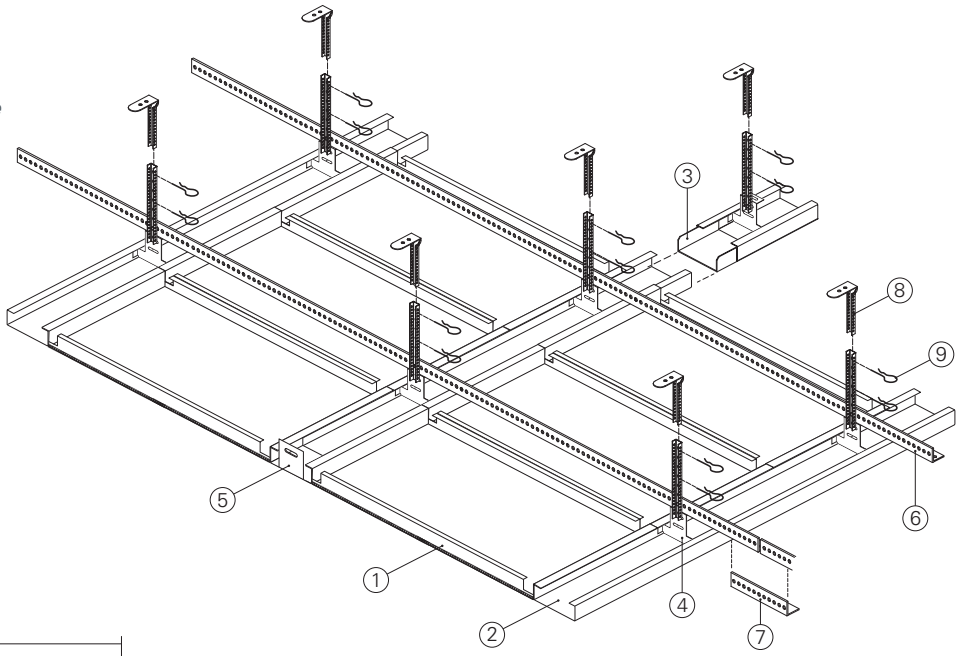
Project: Pakhuismeester, Rotterdam, The Netherlands - Product: Stretch metal planks

KEY FEATURES

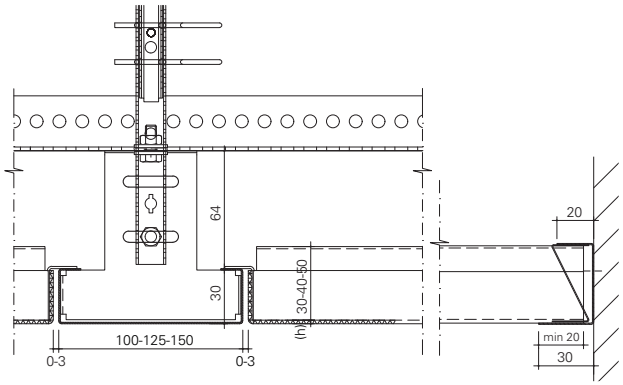
- Panel sizes:
  - without reinforcement maximum 500 x 1200 mm
  - with reinforcement maximum 600 x 2800 mm
- Square-edge design in parallel or cross design installation
- Mesh panels with lay-on pads for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

TYPICAL ISOMETRICS

1 = C-Grid panel
2 = C-Grid profile
3 = C-Grid profile splice
4 = C-Grid suspension shoe
5 = Wall bracket
6 = Primary profile
7 = Primary profile splice
8 = Nonius hanger
9 = Locking clips

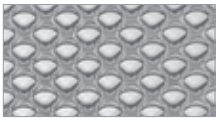


TYPICAL SECTIONS



MESH PATTERNS

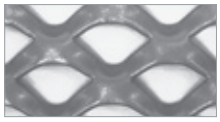
Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 364 for acoustic information.

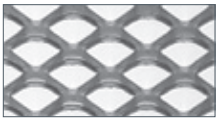

LS6 (Fe)


LS8 (Fe)


LS10 (Fe)

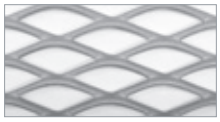

LS12 (Fe)


LS16 (Fe)


LD10 (Fe)


LD16 (Fe)


LD20 Rotterdam (Fe)
(Scale 1:2)


LD28 Moscow (Fe)
(Scale 1:2)

PHYSICAL DATA






α_W = 0.55-1.00









Depends on Meshtype


Colours:
See page 148


Varies with finish




Alu

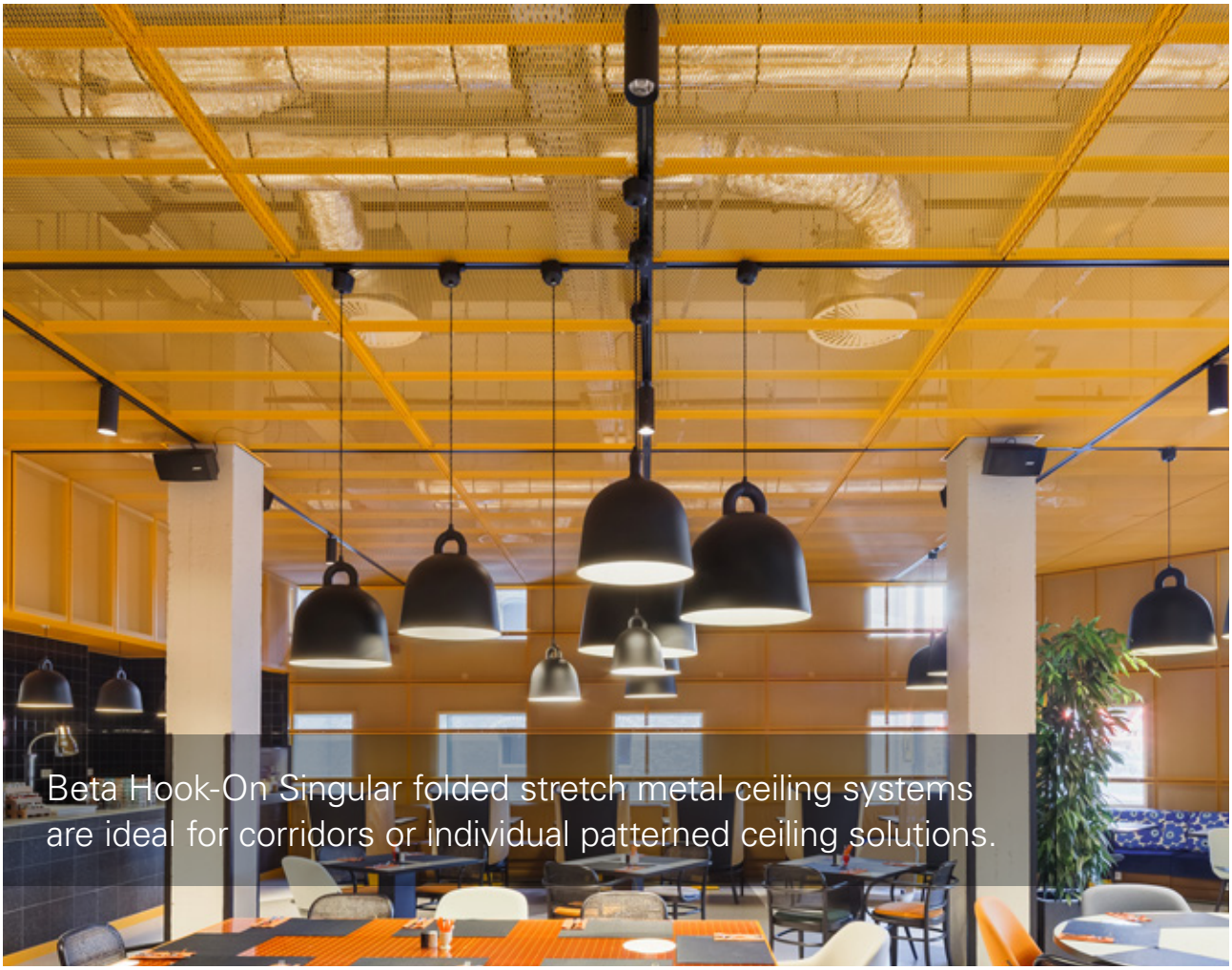


Class B



STRETCH METAL

BETA HOOK-ON SINGULAR - FOLDED



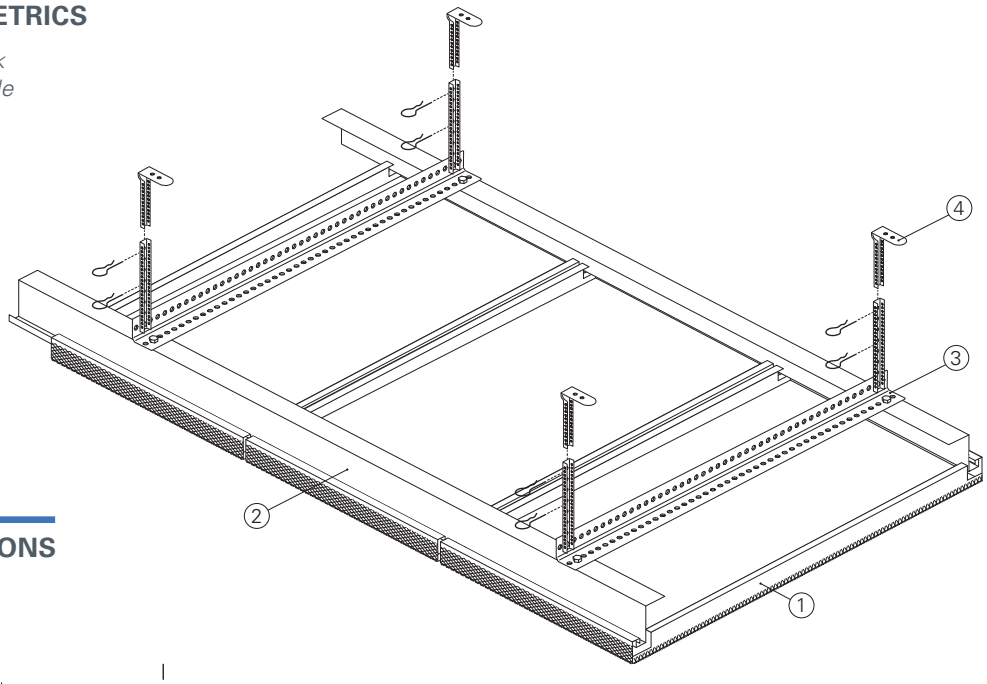
Project: Pakhuismeester, Rotterdam, the Netherlands - Product: Stretch Metal Beta Hook-on Singular - Folded

KEY FEATURES

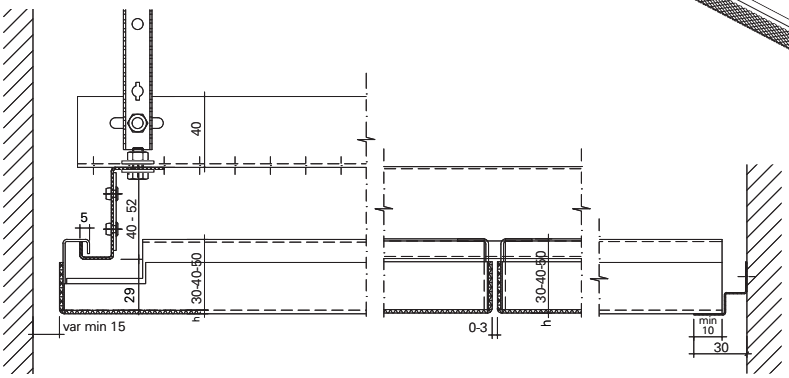
- Panel sizes:
  - with reinforcement maximum 600 x 2800 mm
- Square-edge design
- Mesh panels with lay-on pads for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Easy installation - no fasteners or tools required
- Hook-On feature allows point-access and 100% access to plenum
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

TYPICAL ISOMETRICS

1 = Hook-On plank
2 = Hook-On profile
3 = Primary profile
4 = Suspension

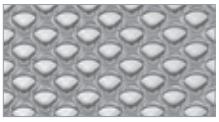


TYPICAL SECTIONS



MESH PATTERNS

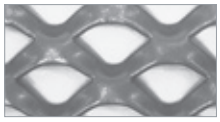
Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 364 for acoustic information.

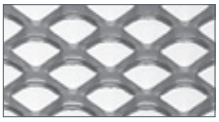

LS6 (Fe)


LS8 (Fe)


LS10 (Fe)

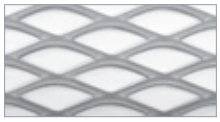

LS12 (Fe)


LS16 (Fe)


LD10 (Fe)


LD16 (Fe)


LD20 Rotterdam (Fe)
(Scale 1:2)


LD28 Moscow (Fe)
(Scale 1:2)

PHYSICAL DATA






α_W = 0.55-1.00









Depends on Meshtype


Colours:
See page 148


Varies with finish




Alu

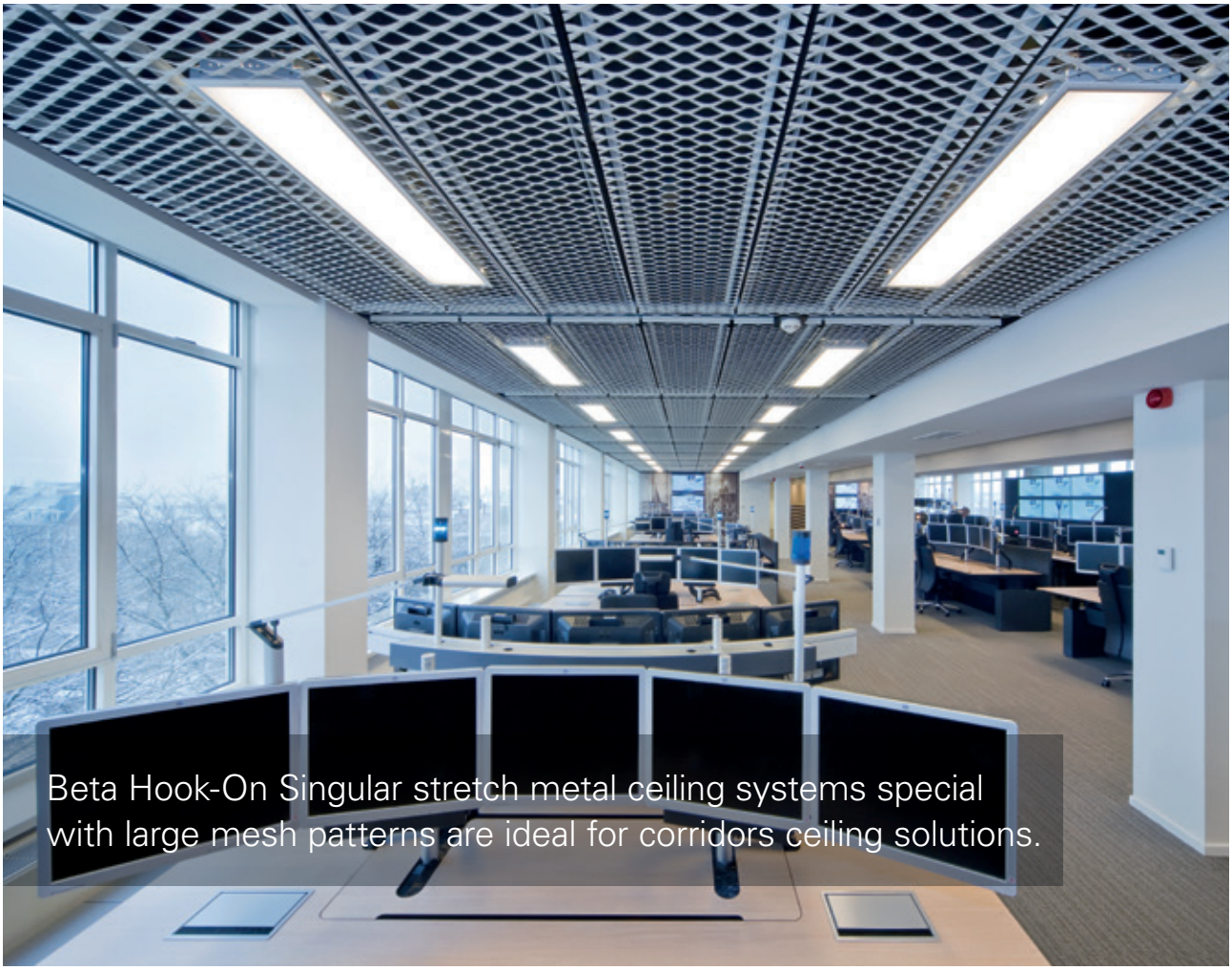


Class B



STRETCH METAL

BETA HOOK-ON SINGULAR - SPECIAL



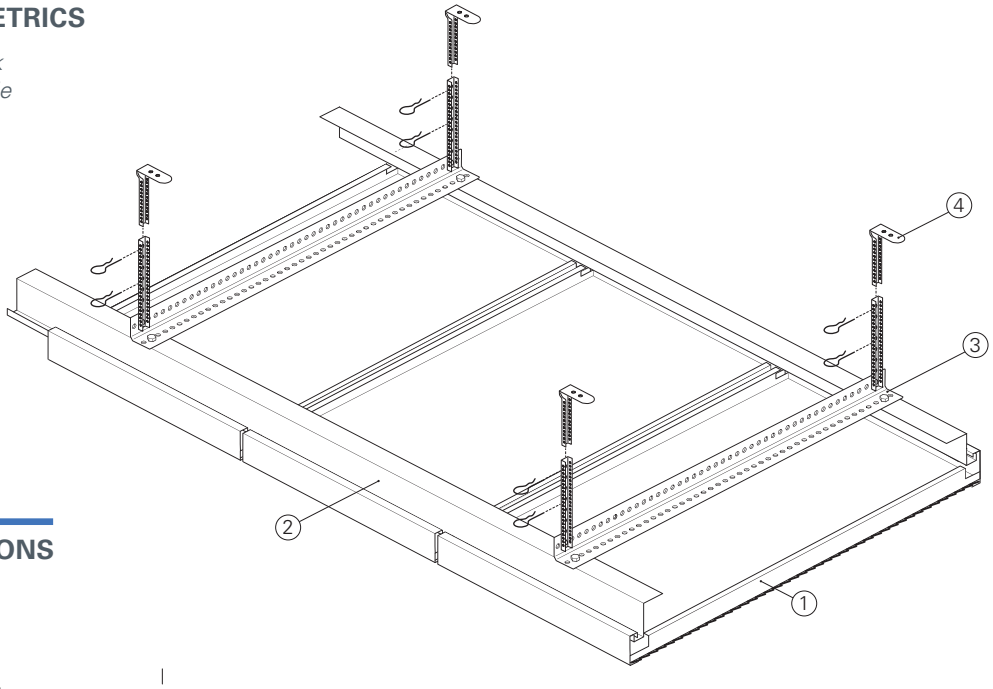
Project: RPAA, Control Room Police, Fire en Ambulance, Amsterdam, the Netherlands - Product: Stretch Metal Beta Hook-on Singular - Special - Architect: Architectenbureau De Twee Snoeken

KEY FEATURES

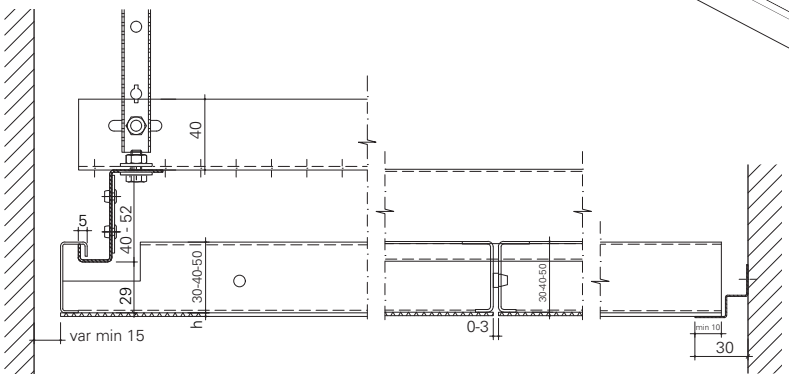
- Panel sizes:
  - with reinforcement maximum 680 x 2800 mm (depends on mesh type)
- Flat sheets with welded reinforcement profiles
- Mesh panels with lay-on pads for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Hook-On feature allows point-access and 100% access to plenum
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

TYPICAL ISOMETRICS

1 = Hook-On plank
2 = Hook-On profile
3 = Primary profile
4 = Suspension

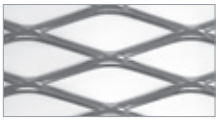


TYPICAL SECTIONS

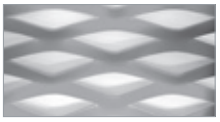


MESH PATTERNS

Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 364 for acoustic information.



LD43 Paris (Fe)
(Scale 1:2)



LD62 Dubai (Fe)
(Scale 1:4)



LD85 New York (Fe)*
(Scale 1:4)

** Panel width and length must be divisible by the mesh module*

PHYSICAL DATA







α_W = 0.55-1.00









Depends on Meshtype



Colours:
See page 148



Varies with finish





Alu

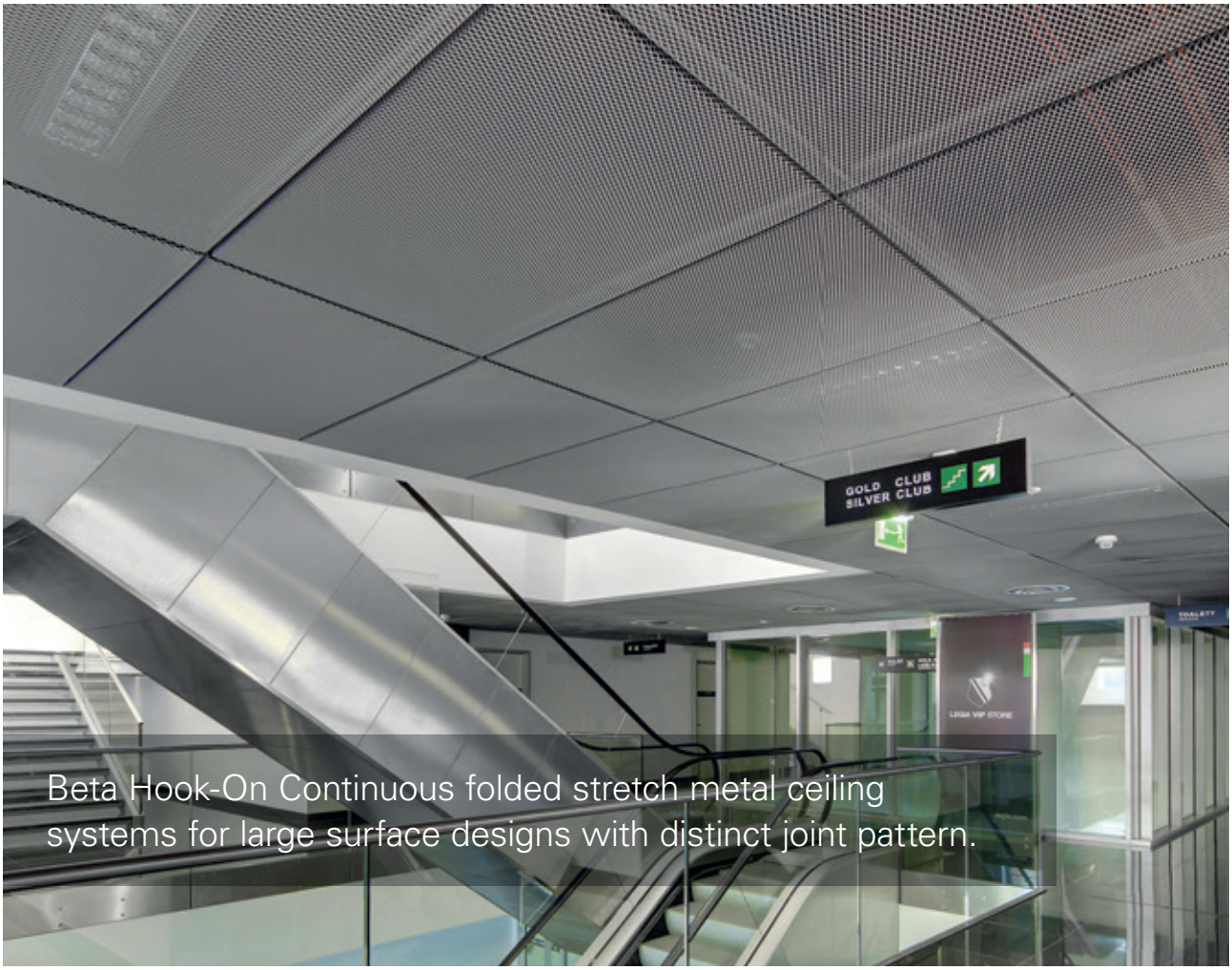


Class B



STRETCH METAL

BETA HOOK-ON CONTINUOUS - FOLDED



Beta Hook-On Continuous folded stretch metal ceiling systems for large surface designs with distinct joint pattern.

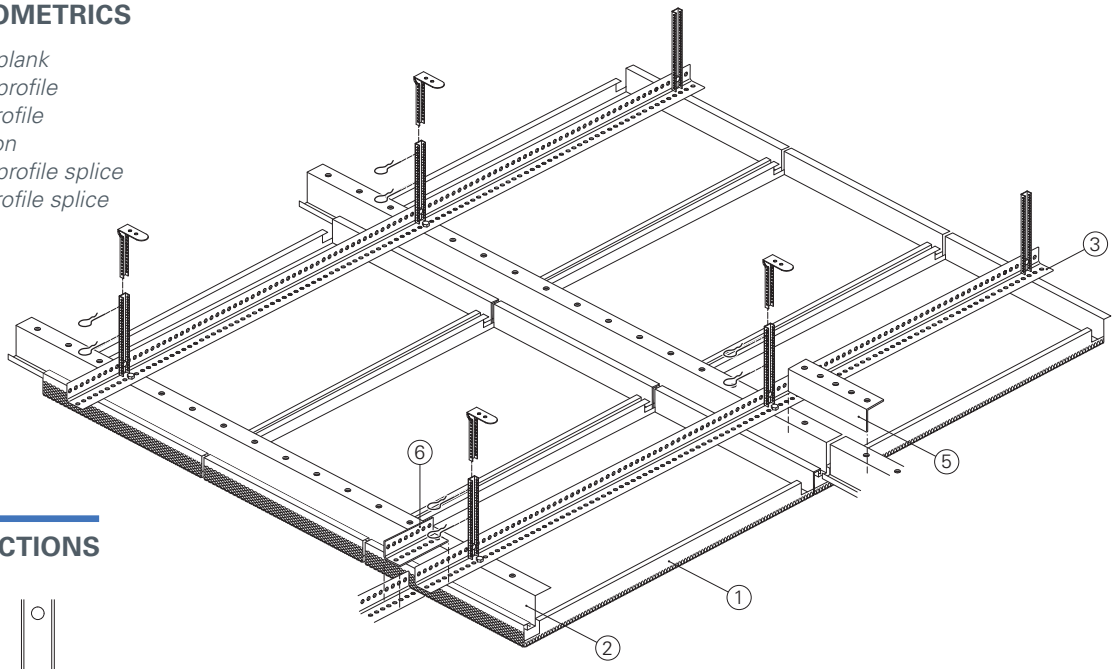
Project: Pepsi Arena Legia Football Stadium, Warsaw, Poland - Product: Stretch Metal Beta Hook-On Continuous - Folded - Architect: JSK

KEY FEATURES

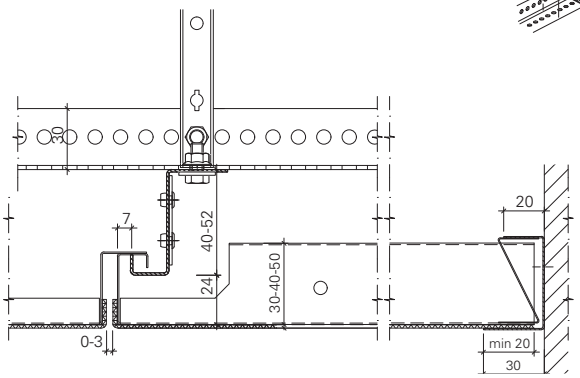
- Panel sizes:
  - with reinforcement maximum 600 x 2800 mm
- Square-edge design
- Mesh panels with lay-on pads for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Easy installation - no fasteners or tools required
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

TYPICAL ISOMETRICS

1 = Hook-On plank
2 = Hook-On profile
3 = Primary profile
4 = Suspension
5 = Hook-On profile splice
6 = Primary profile splice

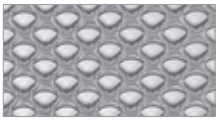


TYPICAL SECTIONS



MESH PATTERNS

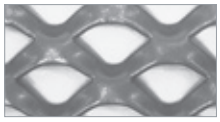
Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 364 for acoustic information.

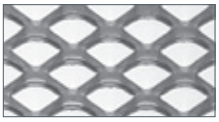

LS6 (Fe)


LS8 (Fe)


LS10 (Fe)

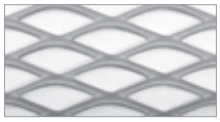

LS12 (Fe)


LS16 (Fe)


LD10 (Fe)


LD16 (Fe)


LD20 Rotterdam (Fe)
(Scale 1:2)


LD28 Moscow (Fe)
(Scale 1:2)

PHYSICAL DATA






α_W = 0.55-1.00









Depends on Meshtype


Colours:
See page 148


Varies with finish




Alu

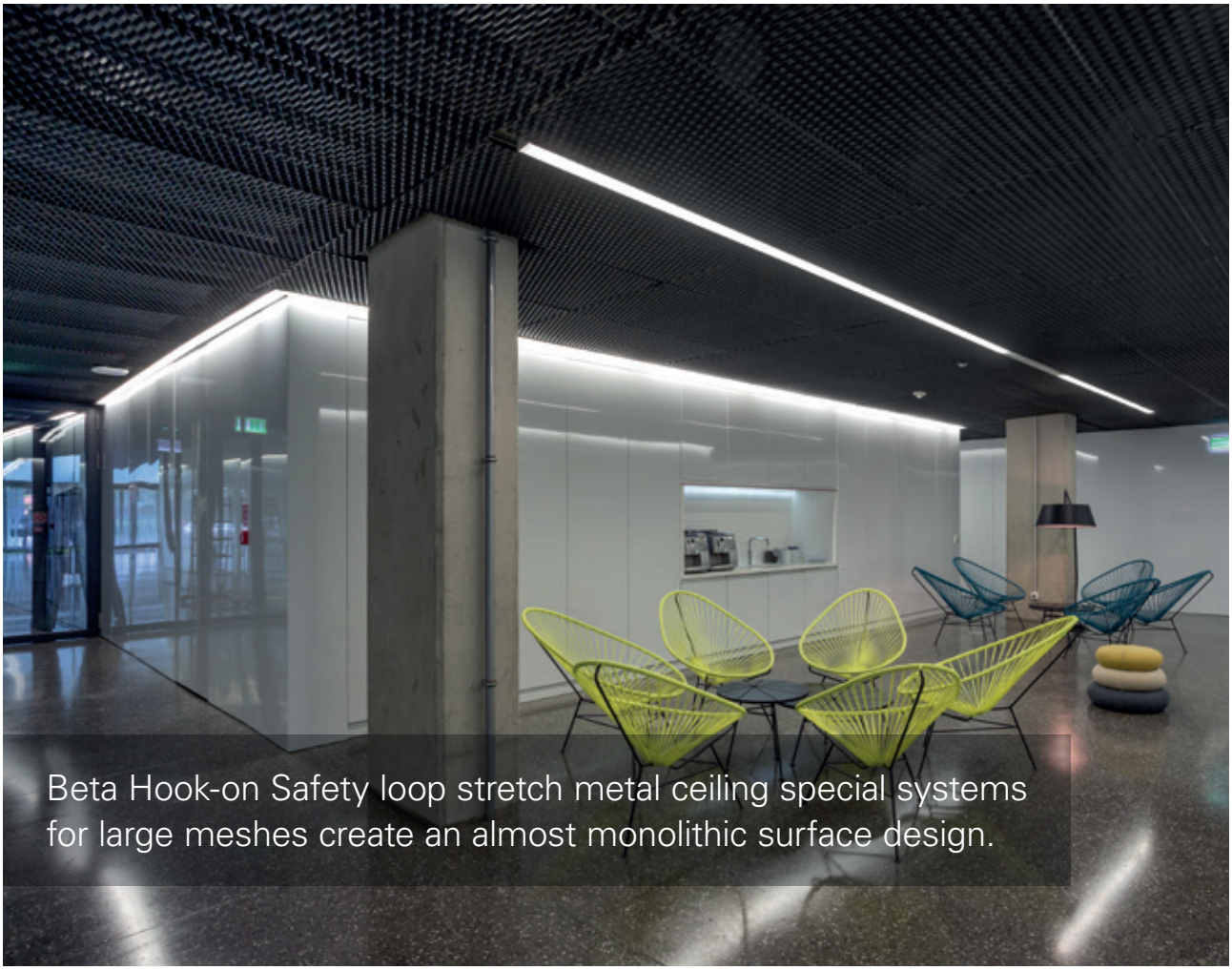


Class B



STRETCH METAL

BETA HOOK-ON SAFETY LOOP - SPECIAL



Beta Hook-on Safety loop stretch metal ceiling special systems for large meshes create an almost monolithic surface design.

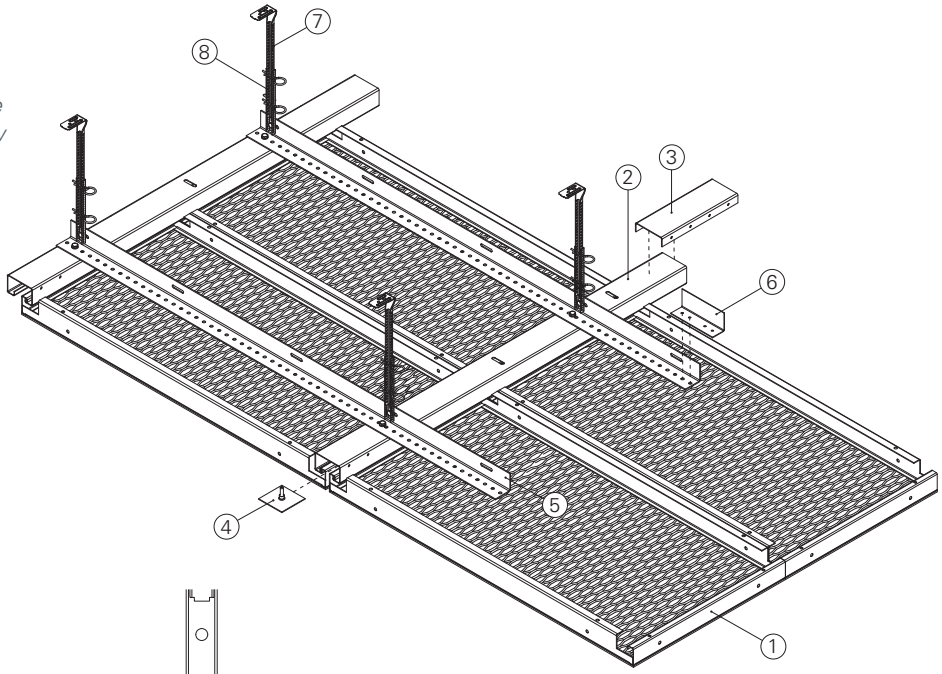
Project: Pixel, Poznan, Poland - Product: Stretch Metal Beta Hook-On Safety loop - Special - Architect: JEMS Architekci

KEY FEATURES

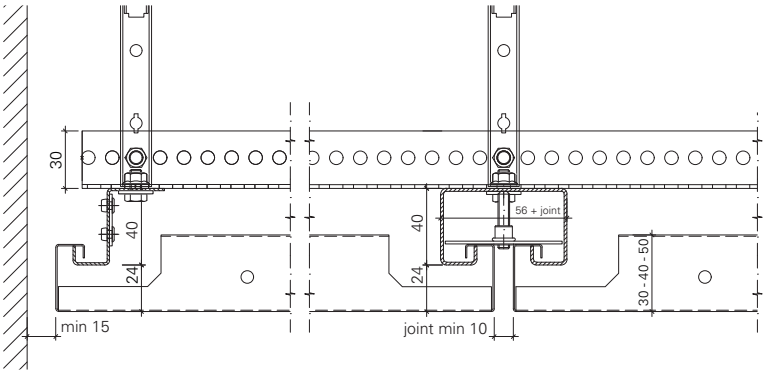
- Panel sizes:
  - with reinforcement maximum 680 x 2800 mm (depends on mesh type)
- Flat sheets with welded reinforcement profiles
- Mesh panels with lay-on pads for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

TYPICAL ISOMETRICS

1 = Hook-on plank
2 = Safety loop profile
3 = Safety loop profile splice
4 = Locking plate with screw
5 = Primary profile
6 = Primary profile splice
7 = Nonius hanger
8 = Suspension element

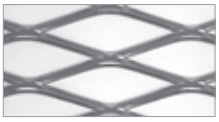


TYPICAL SECTIONS

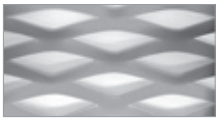


MESH PATTERNS

Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 364 for acoustic information.



LD43 Paris (Fe)
(Scale 1:2)



LD62 Dubai (Fe)
(Scale 1:4)



LD85 New York (Fe)*
(Scale 1:4)

** Panel width and length must be divisible by the mesh module*

PHYSICAL DATA







α_W = 0.55-1.00









Depends on Meshtype



Colours:
See page 148



Varies with finish







Alu



Class B



STRETCH METAL
GAMMA LAY-ON



Gamma Lay-On stretch metal ceilings with high contrasts between grid and mesh.

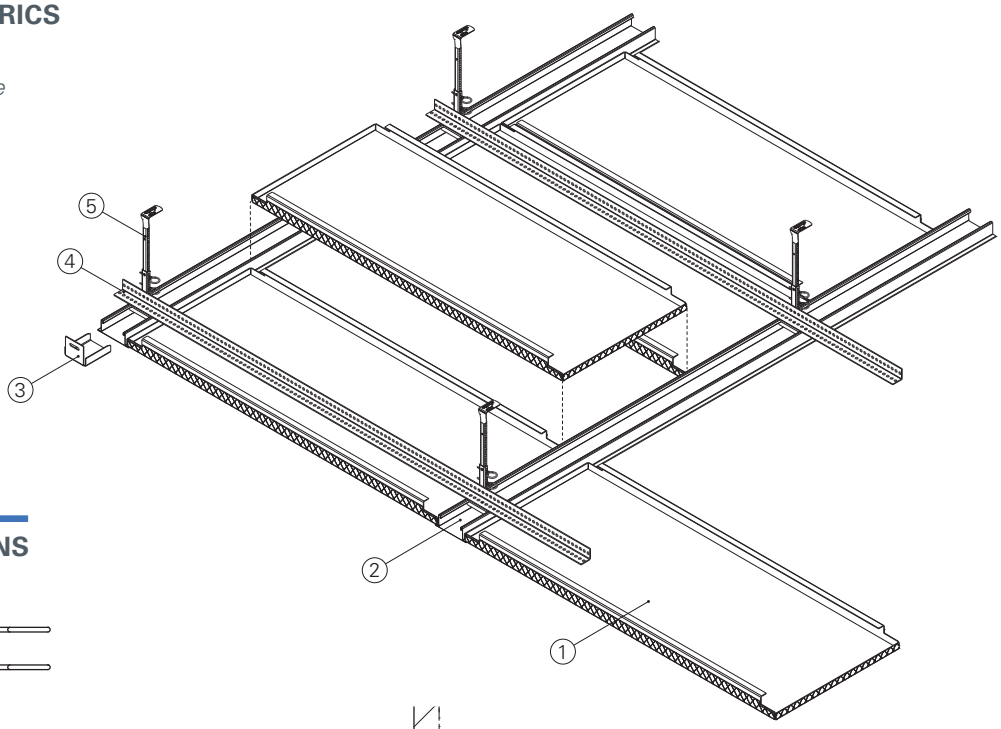
Project: Focus Park shopping mall network, Poland - Product: Stretch Metal Gamma (Lay-On) - Architect: MOFO

KEY FEATURES

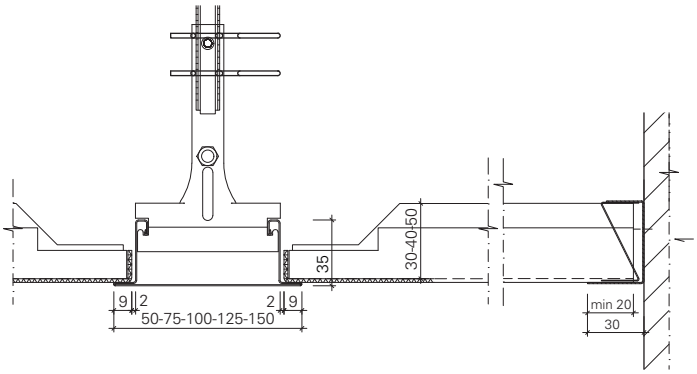
- Panel sizes:
  - without reinforcement maximum 500 x 1200 mm
  - with reinforcement maximum 600 x 2800 mm
- Square-edge design
- Mesh panels with lay-on pads for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Easy installation - no fasteners or tools required
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

TYPICAL ISOMETRICS

1 = Lay-On plank
2 = Bandraster profile
3 = Wall bracket
4 = Primary profile
5 = Nonius hanger

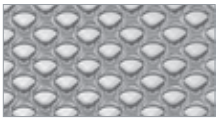


TYPICAL SECTIONS



MESH PATTERNS

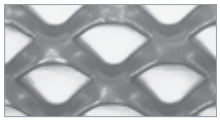
Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 364 for acoustic information.

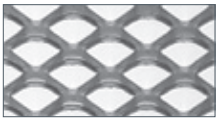

LS6 (Fe)


LS8 (Fe)


LS10 (Fe)

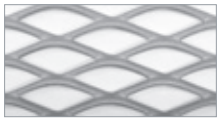

LS12 (Fe)


LS16 (Fe)


LD10 (Fe)


LD16 (Fe)


LD20 Rotterdam (Fe)
(Scale 1:2)


LD28 Moscow (Fe)
(Scale 1:2)

PHYSICAL DATA






α_W = 0.55-1.00









Depends on Meshtype


Colours:
See page 148


Varies with finish



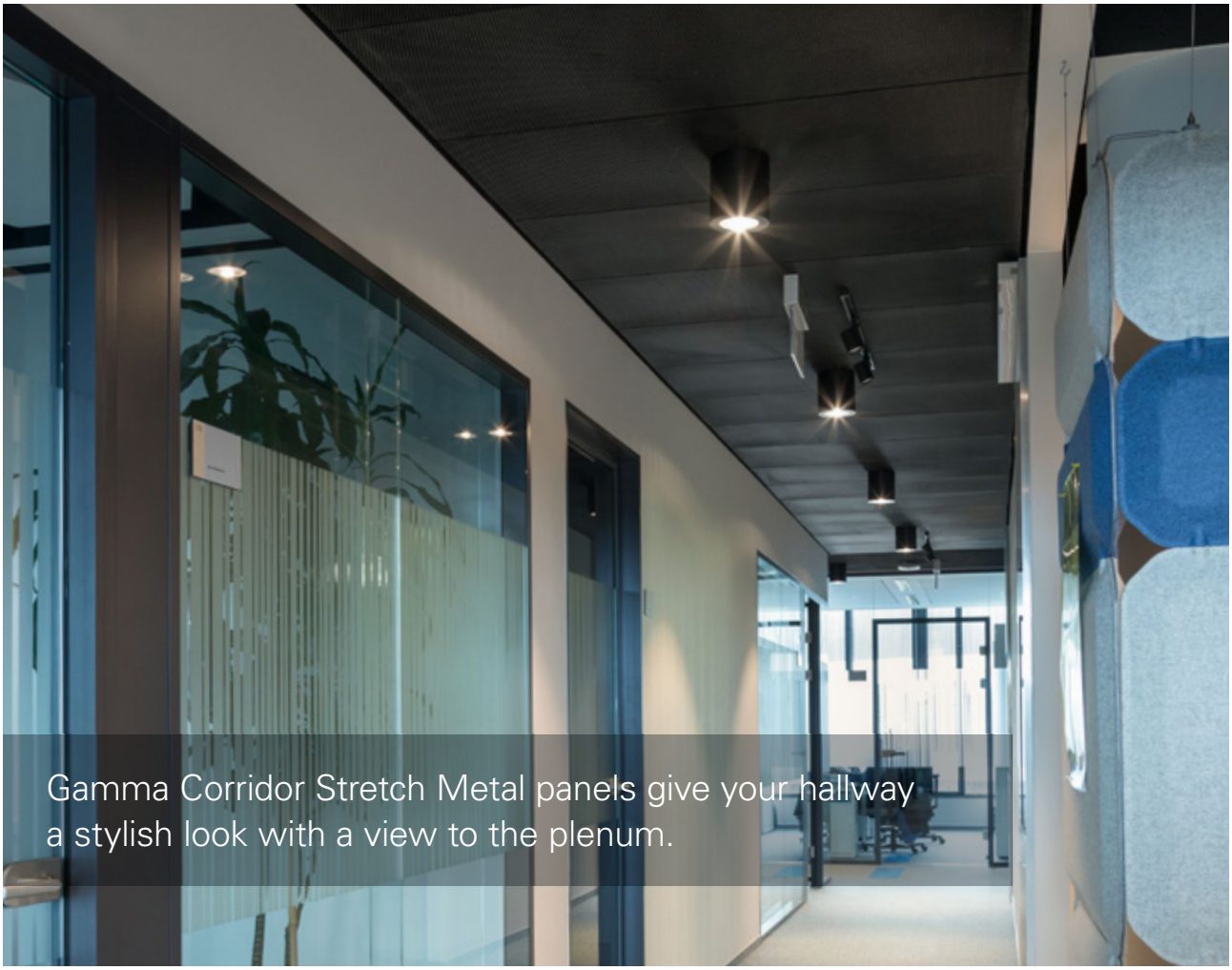

Alu



Class B



STRETCH METAL
GAMMA CORRIDOR



Project: Royal Wilanów office building, Warszawa, Poland - Product: Stretch Metal Gamma (Corridor) - Architect: JEMS Architekci

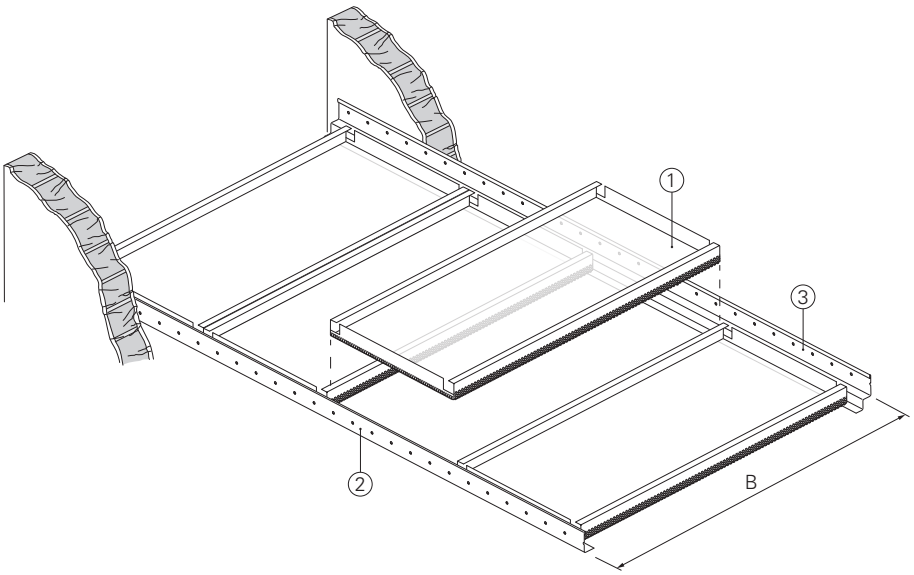
KEY FEATURES

- Panel sizes:
  - without reinforcement maximum 500 x 1200 mm
  - with reinforcement maximum 600 x 2800 mm
- Square-edge design
- Mesh panels with lay-on pads for acoustic control
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Easy installation - no fasteners or tools required
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

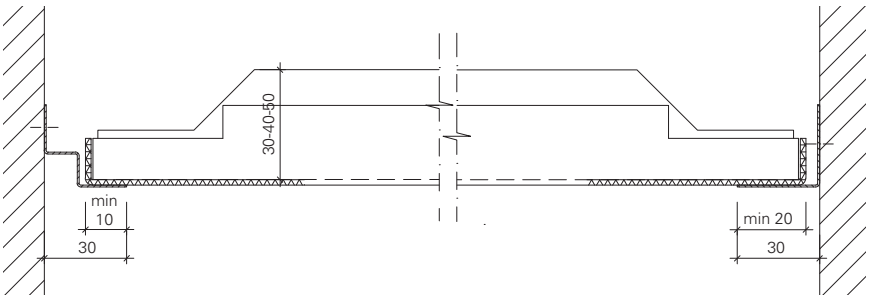
TYPICAL ISOMETRICS

1 = Lay-On plank
2 = Wall L-profile
3 = Wall W-profile

B = 1500/2800 mm (max.)

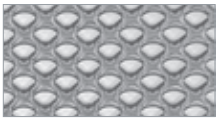


TYPICAL SECTIONS



MESH PATTERNS

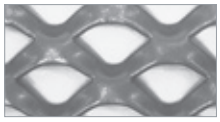
Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 364 for acoustic information.

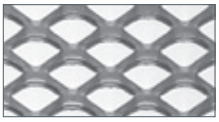

LS6 (Fe)


LS8 (Fe)


LS10 (Fe)

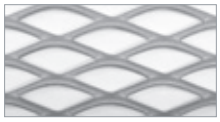

LS12 (Fe)


LS16 (Fe)


LD10 (Fe)


LD16 (Fe)


LD20 Rotterdam (Fe)
(Scale 1:2)


LD28 Moscow (Fe)
(Scale 1:2)

PHYSICAL DATA






α_W = 0.55-1.00









Depends on Meshtype


Colours:
See page 148


Varies with finish




Alu



Class B



STRETCH METAL

COLOUR COLLECTION STRETCH METAL TILES & PLANKS

COLOURS AND FINISHES

Hunter Douglas offers a wide choice of colours and finishes. Custom colour matching is available upon request. Please contact your local Hunter Douglas sales office for minimum quantities and lead times. See website for the most up to date information. Colours are for illustration purposes only.

STANDARD PAINT COLOURS

Signal White RAL 9003

Traffic White RAL 9016

Pure White RAL 9010

White Aluminium RAL 9006

Jet Black RAL 9005

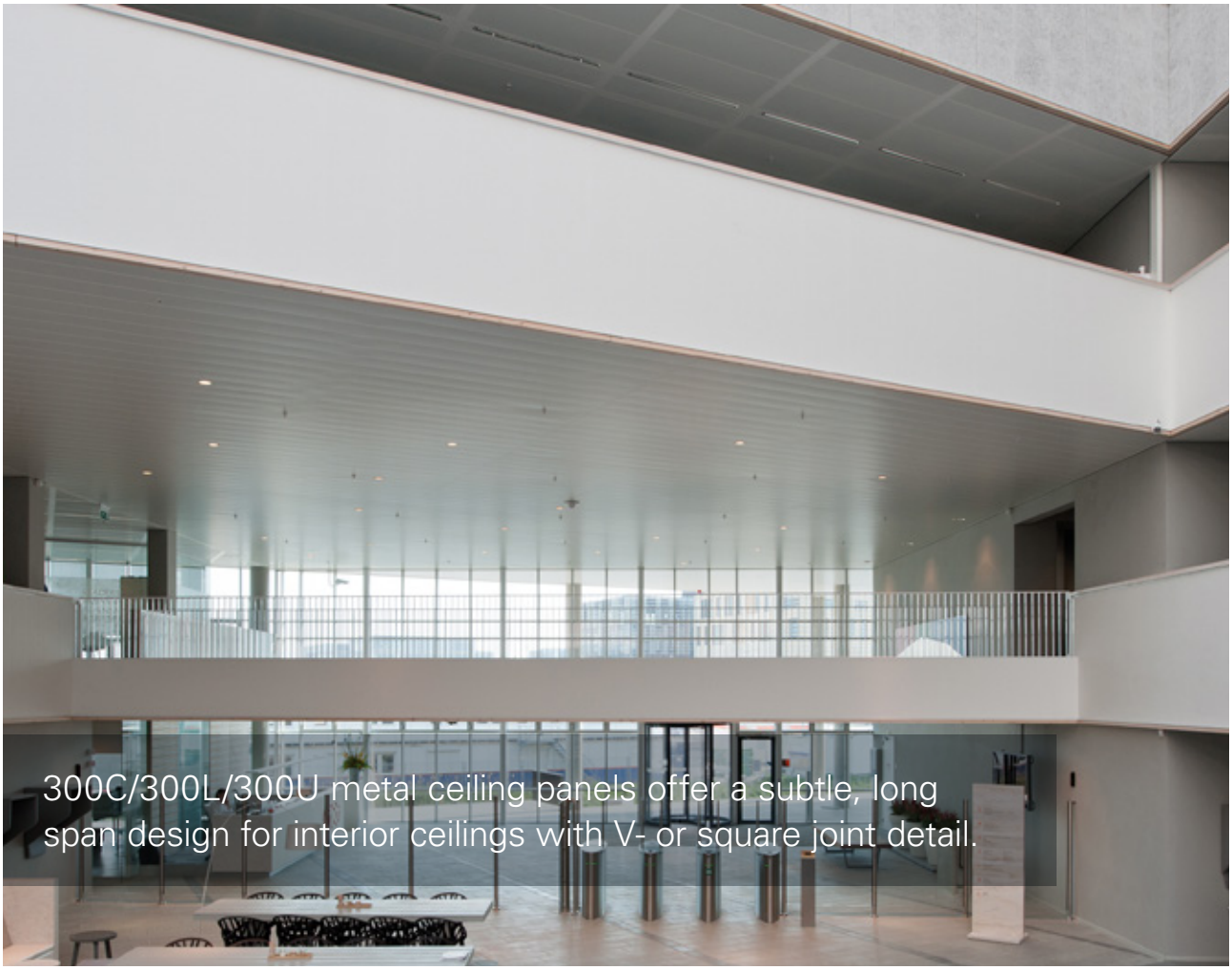
CUSTOM COLOURS



Project: Microsoft Innovation Centre, Mons, Belgium - Product: Stretch Metal Gamma (Lay-On) - Architect: Reservoira Architectes sprl

WIDE PANEL

300C/300L/300U GENERAL



Project: TNT Headquarters, Hoofddorp, The Netherlands - Product: Wide Panel 300C/300L (General) - Architect: Paul de Ruiter

KEY FEATURES

- Panel width: 300 mm
- Panel length: 1000 - 6000 mm
- Bevel-edge design and square edge design
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access
- Interior and exterior applications
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

Production by Hunter Douglas Ceiling Center

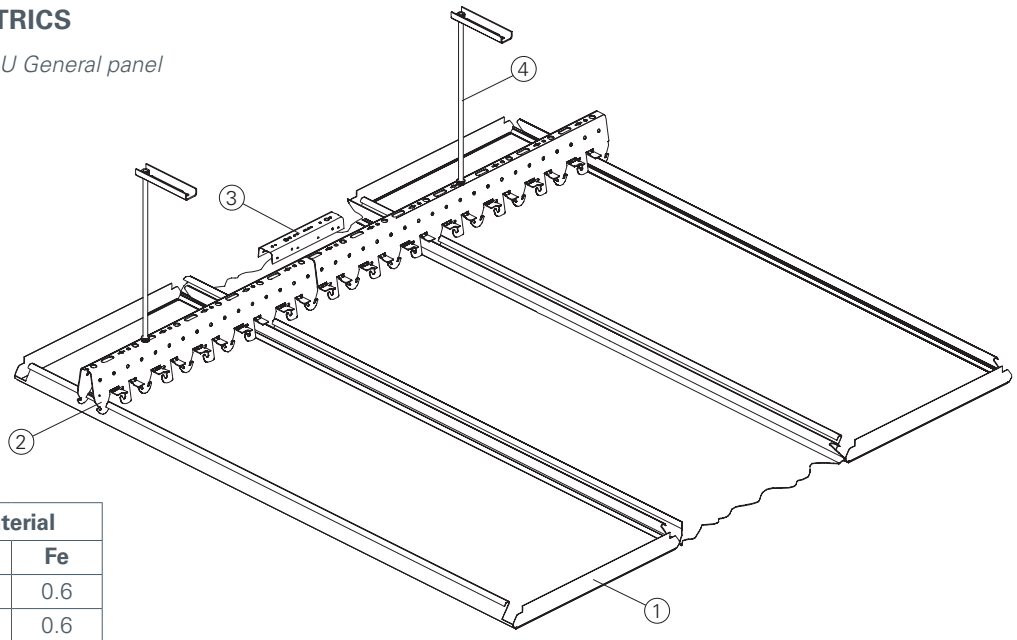
EN 13964
E1

A+

Fe : 17%
Al : 90%

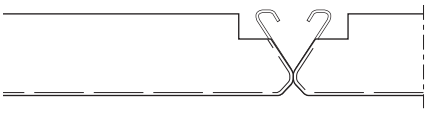
TYPICAL ISOMETRICS

1 = 300C/300L/300U General panel
2 = Carrier
3 = Carrier splice
4 = Hanger

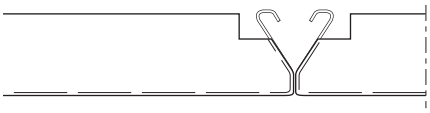


Panel type	Material	
	Al	Fe
300C	0.7	0.6
300L	0.7	0.6
300U	-	0.5

TYPICAL SECTIONS



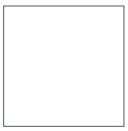
300C



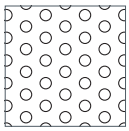
300L/300U

PERFORATION PATTERNS

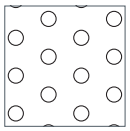
Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 365 for acoustic information.



Plain

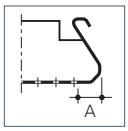


D1523
Ø 1.5 mm
⇳ 3 ⇿ 5.2
Openness 23%



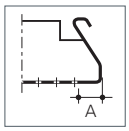
D2016
Ø 2 mm
⇳ 5 ⇿ 8.66
Openness 16%

(Scale 1:3)



Ø 1.5 / 2.0 mm
A = 8.5 mm
300C

(Scale 1:3)



Ø 1.5 / 2.0 mm
A = 8.5 mm
300L

PHYSICAL DATA



Plain: A2-s1,d0
Perf+NW: A2-s1,d0



D1522: α_W=0.75
D2016: α_W=0.75



Al: 2.93 kg/m²
Fe: 7.33 kg/m²



0280: 65%



Plain: Class C
Perf+NW: Class B



Perf+NW



Plain

OPTIONAL





Colours:
See page 158



Curved solutions:
See page 202



Exterior solutions:
See page 256

WIDE PANEL
300C/300L/300U LAY-ON



Project: Indianapolis Airport, United States - Product: Wide Panel 300C/300L (Lay-On) - Architect: AeroDesign Group and HOK

KEY FEATURES

- Panel width: 300 mm
- Panel length: 1000 - 2400 mm
- Bevel-edge design and square edge design
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

TAIM

EPD

cradle to cradle BRONZE

ISO 14001 SGS ISO 9001 SGS

Production by Hunter Douglas Ceiling Center

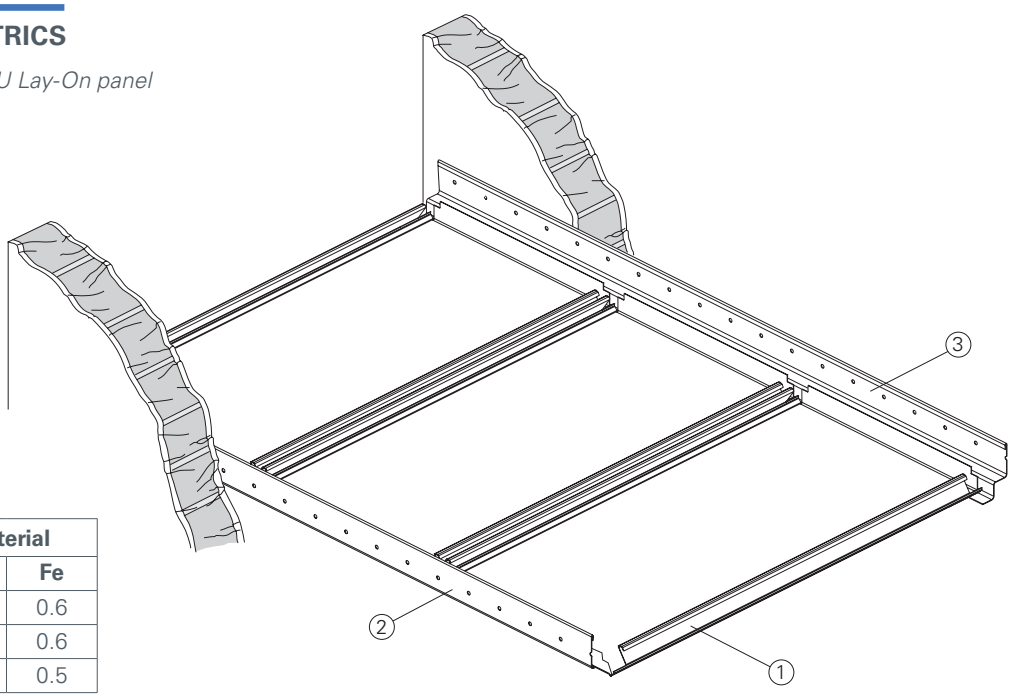
EN 13964
E1

A+
A+ A B C

Fe : 17%
Al : 90%

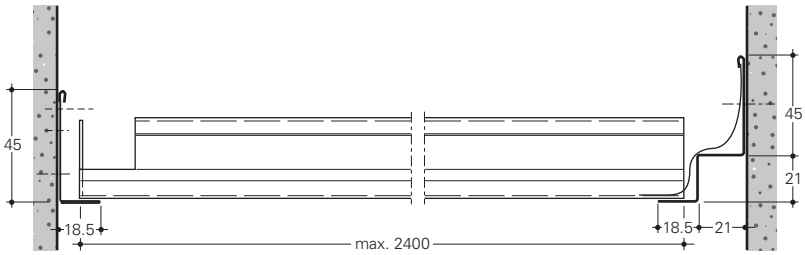
TYPICAL ISOMETRICS

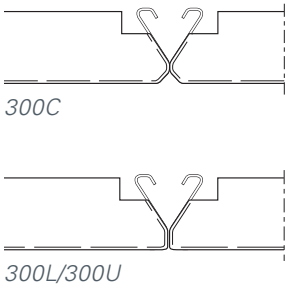
1 = 300C/300L/300U Lay-On panel
2 = Wall L-profile
3 = Wall W-profile



Panel type	Material	
	Al	Fe
300C	0.7	0.6
300L	0.7	0.6
300U	-	0.5

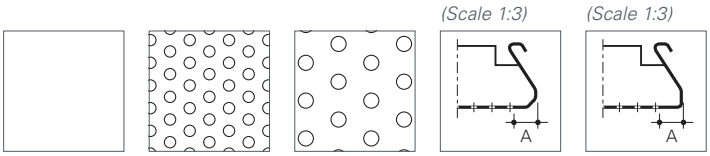
TYPICAL SECTIONS





PERFORATION PATTERNS

Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 365 for acoustic information.



Plain

D1523
Ø 1.5 mm
⇳ 3 ⇿ 5.2
Openness 23%

D2016
Ø 2 mm
⇳ 5 ⇿ 8.66
Openness 16%

(Scale 1:3)

Ø 1.5 / 2.0 mm
A = 8.5 mm
300C

(Scale 1:3)

Ø 1.5 / 2.0 mm
A = 8.5 mm
300L

PHYSICAL DATA



Plain: A2-s1,d0
Perf+NW: A2-s1,d0



D1522: α_W=0.75
D2016: α_W=0.75



Al: 2.93 kg/m²
Fe: 7.33 kg/m²



0280: 65%



Plain: Class C
Perf+NW: Class B



Perf+NW



Plain

OPTIONAL

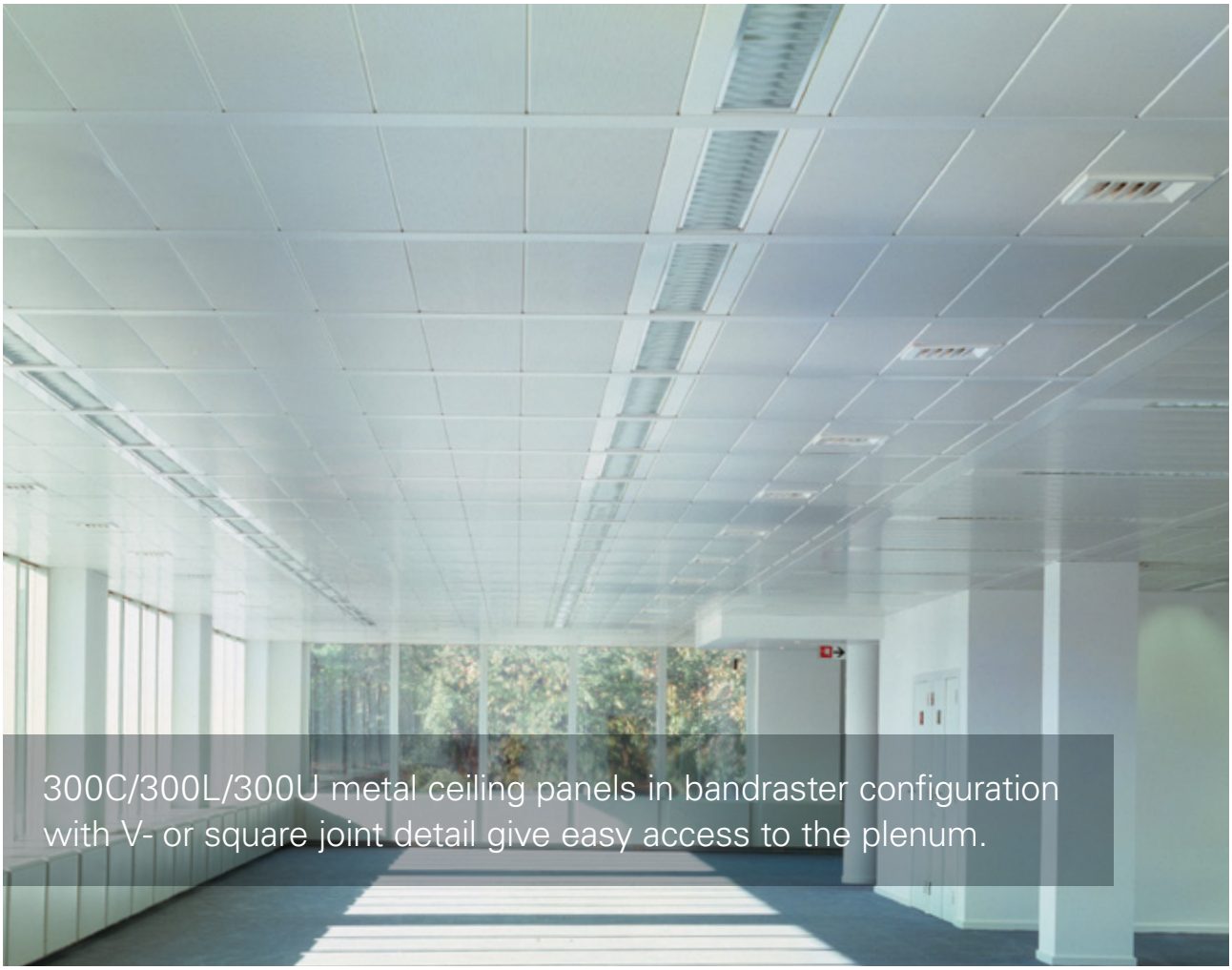




Colours:
See page 158

WIDE PANEL

300C/300L/300U BANDRASTER



300C/300L/300U metal ceiling panels in bandraster configuration with V- or square joint detail give easy access to the plenum.

Project: La Plaine offices, Belgium - Product: Wide Panel 300C/300L (Bandraster) - Architect: Bureau dArchitecture H Montois sa L Atelier sprl Cerau sprl

KEY FEATURES

- Panel width: 300 mm
- Panel length: 1000 - 2400 mm
- Bevel-edge design and square edge design
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

TAIM

EPD

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

Production by Hunter Douglas Ceiling Center

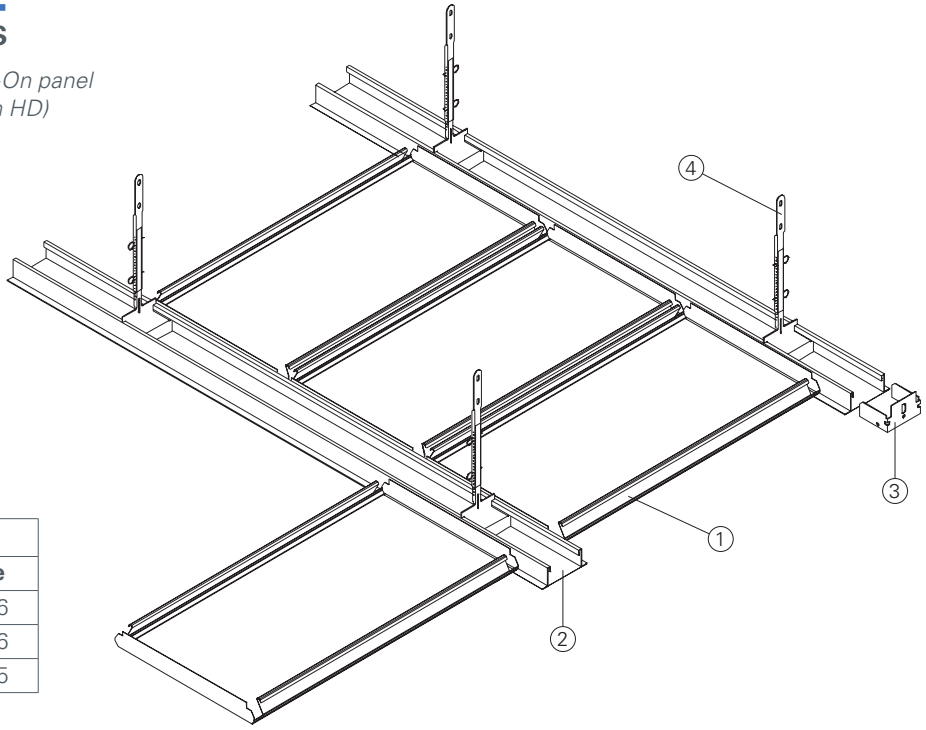
EN 13964
E1

A+ A B C
A+

Fe : 17%
Al : 90%

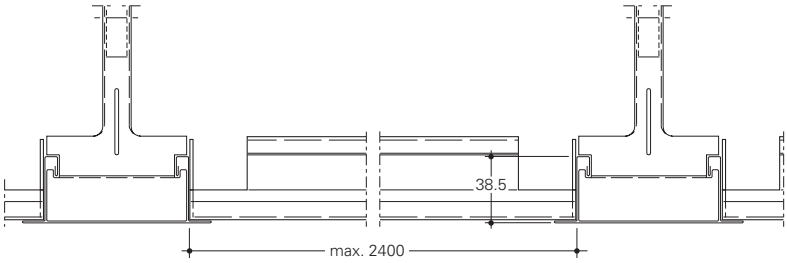
TYPICAL ISOMETRICS

1 = 300C/300L/300U Lay-On panel
2 = Bandraster profile (non HD)
3 = Wall bracket (non HD)
4 = Suspension (non HD)



Panel type	Material	
	Al	Fe
300C	0.7	0.6
300L	0.7	0.6
300U	-	0.5

TYPICAL SECTIONS





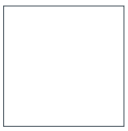
300C



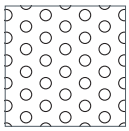
300L/300U

PERFORATION PATTERNS

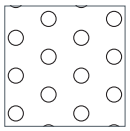
Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 365 for acoustic information.



Plain

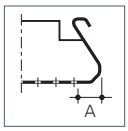


D1523
Ø 1.5 mm
⇳ 3 ⇿ 5.2
Openness 23%



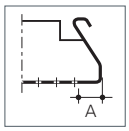
D2016
Ø 2 mm
⇳ 5 ⇿ 8.66
Openness 16%

(Scale 1:3)



Ø 1.5 / 2.0 mm
A = 8.5 mm
300C

(Scale 1:3)



Ø 1.5 / 2.0 mm
A = 8.5 mm
300L

PHYSICAL DATA



Plain: A2-s1,d0
Perf+NW: A2-s1,d0



D1522: α_W=0.75
D2016: α_W=0.75



Al: 2.93 kg/m²
Fe: 7.33 kg/m²



0280: 65%



Plain: Class C
Perf+NW: Class B



Perf+NW



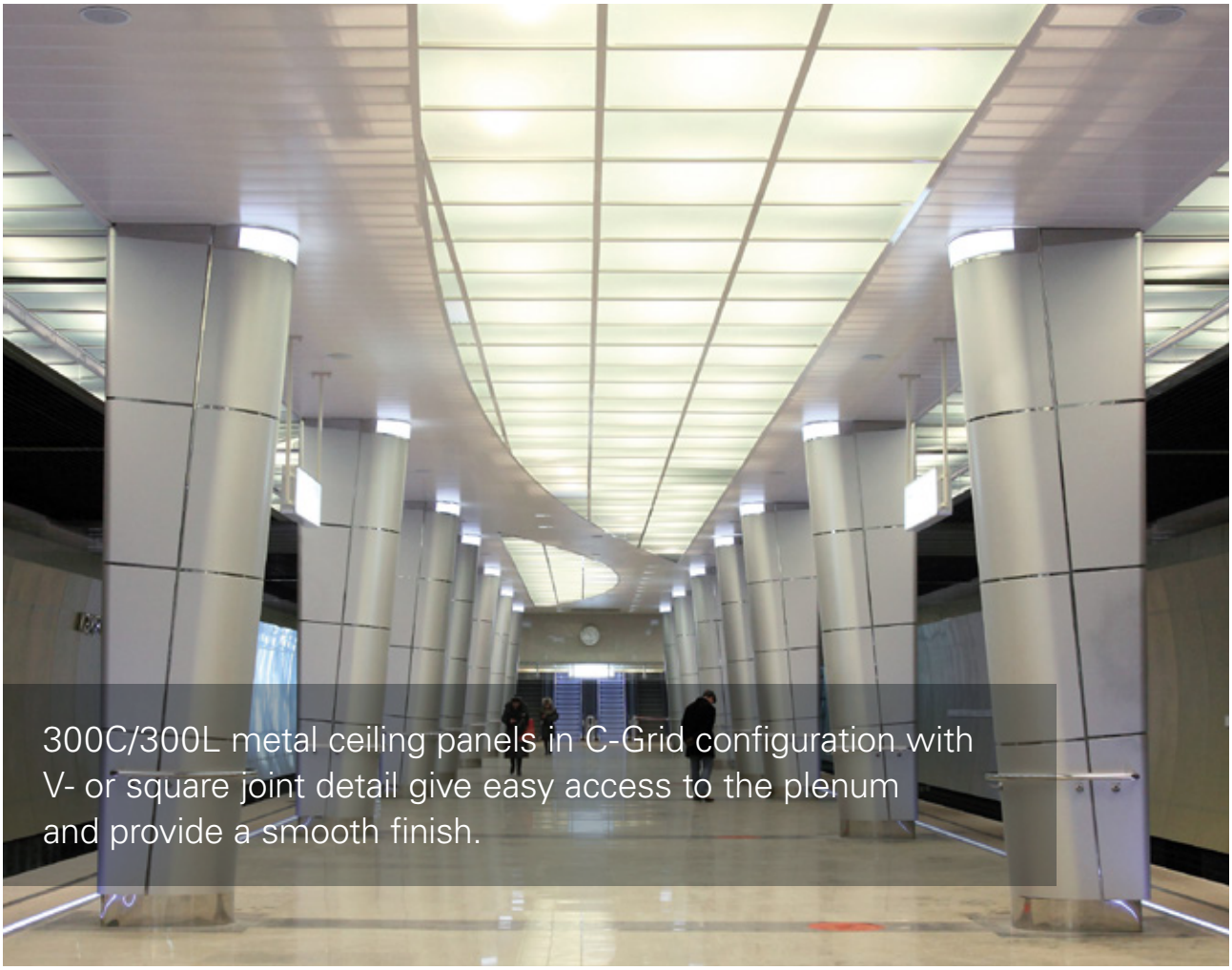
Plain

OPTIONAL





Colours:
See page 158



Project: Kozja Sloboda metro station, Kazan, Russia - Product: Wide Panel 300C/300L - Architect: Azat Muratovich Mustafin OAO Institute Kazgrazhdanproject

KEY FEATURES

- Panel width: 300 mm
- Panel length: 1000 - 2400 mm
- Bevel-edge design and square edge design
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

Production by Hunter Douglas Ceiling Center

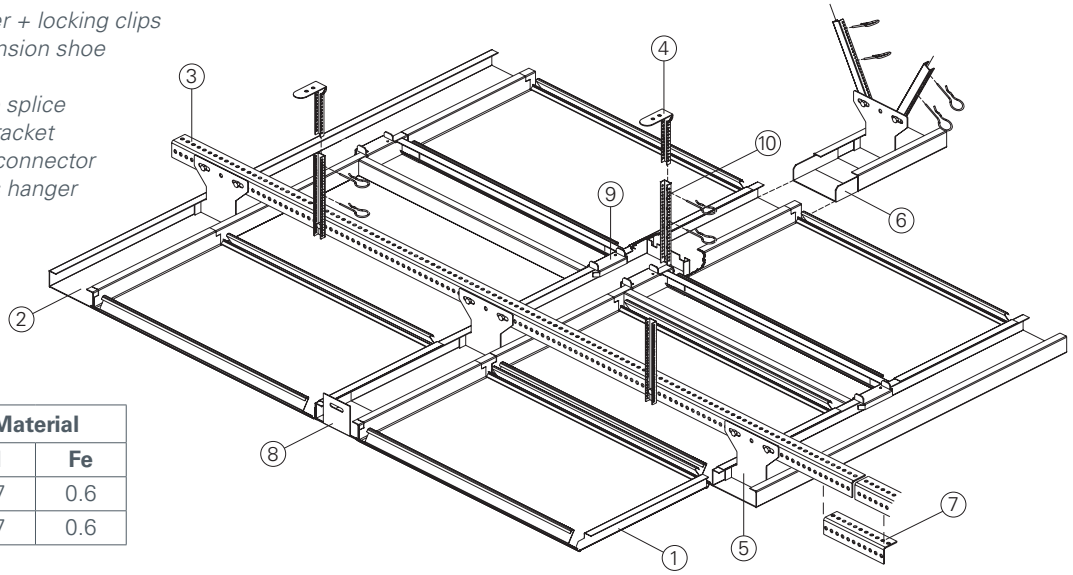
EN 13964
E1

A+

Fe : 17%
Al : 90%

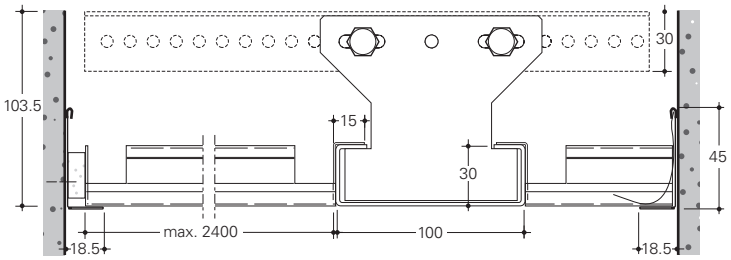
TYPICAL ISOMETRICS

1 = 300C/300L C-Grid panel
2 = C-Grid profile
3 = Primary angle
4 = Nonius hanger + locking clips
5 = C-Grid suspension shoe
6 = C-Grid splice
7 = Primary angle splice
8 = C-Grid wall bracket
9 = C-Grid cross connector
10 = C-Grid nonius hanger



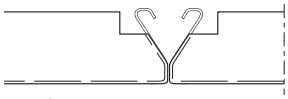
Panel type	Material	
	Al	Fe
300C	0.7	0.6
300L	0.7	0.6

TYPICAL SECTIONS





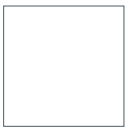
300C



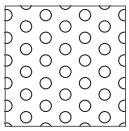
300L

PERFORATION PATTERNS

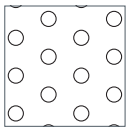
Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 365 for acoustic information.



Plain

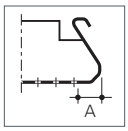


D1523
Ø 1.5 mm
⇳ 3 ⇿ 5.2
Openness 23%



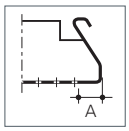
D2016
Ø 2 mm
⇳ 5 ⇿ 8.66
Openness 16%

(Scale 1:3)



Ø 1.5 / 2.0 mm
A = 8.5 mm
300C

(Scale 1:3)



Ø 1.5 / 2.0 mm
A = 8.5 mm
300L

PHYSICAL DATA



Plain: A2-s1,d0
Perf+NW: A2-s1,d0



D1522: α_W=0.75
D2016: α_W=0.75



Al: 2.93 kg/m²
Fe: 7.33 kg/m²



0280: 65%



Plain: Class C
Perf+NW: Class B



Perf+NW



Plain

OPTIONAL





Colours:
See page 158

COLOURS AND FINISHES

Hunter Douglas offers a wide choice of colours and finishes. Custom colour matching is available upon request. Please contact your local Hunter Douglas sales office for minimum quantities and lead times. See website for the most up to date information. Colours are for illustration purposes only.

300C/300L IN AL

COOL WHITES

0106
±RAL 9016

0181
±RAL 9003

CUSTOM COLOURS



NATURE TONES


1585


4648


1883
±RAL 9011

0735

WARM WHITES

0585

0684

0280
±RAL 9010

METALS


7163


7007


7178

300C/300L/300U IN FE

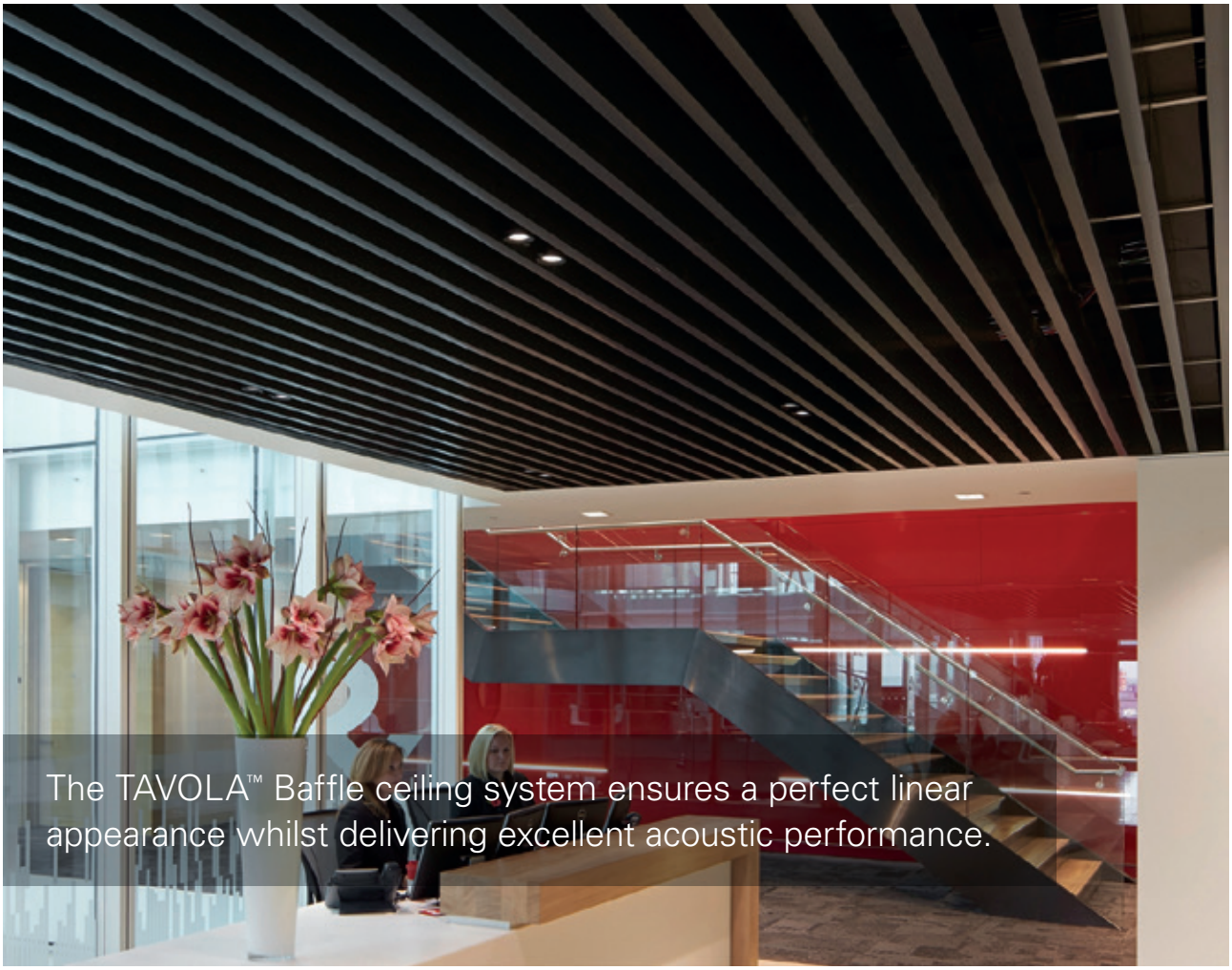
0280
±RAL 9010


7163



Project: Gdansk Lech Walesa Airport, Gdansk, Poland - Product: 300C - Architect: JSK Architekci Sp z oo

TAVOLA™ STRAIGHT



Project: Law firm Wragge Lawrence Graham & Co, Birmingham, United Kingdom - Product: Baffles Tavola™ Straight - Architect: Project architects Weedon

KEY FEATURES

- Profile lengths up to 4000 mm, on request up to 6000 mm
- Profile heights: standard 100 - 150 - 200 mm, other heights on request
- Profile widths: 30, 40 and 50 mm
- Carrier length: standard 5000 mm
- On site waste reduction with factory fabricated dimensional material
- Standard from pre-painted steel strip
- Easy plenum access

Production by Hunter Douglas Ceiling Center

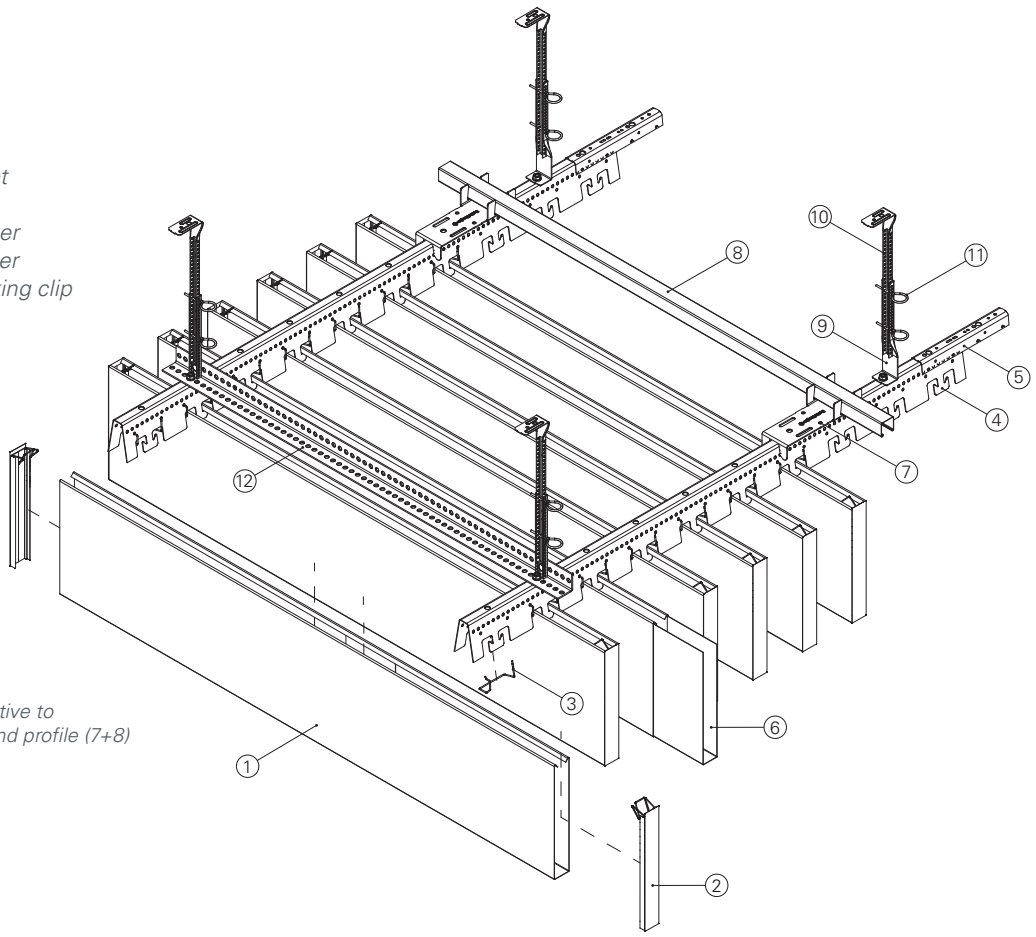
EN 13964
E1

A

Fe : 17%
Al : 90%

TYPICAL ISOMETRICS

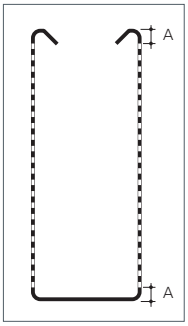
1 = Tavola™ Baffle
2 = End cap
3 = Locking spring
4 = Carrier
5 = Carrier splice
6 = Baffle splice
7 = Stabilisation bracket
8 = Stabilisation profile
9 = Lower nonius hanger
10 = Upper nonius hanger
11 = Nonius hanger locking clip
*12 = Primary profile**



** Can be used as an alternative to the stabilisation bracket and profile (7+8)*

Maximum spans primary and secondary grid 1200 mm
Maximum cantilevers 300 mm

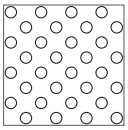
Standard Perforation



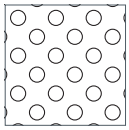
A = 10 mm

PERFORATION PATTERNS

Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 365 for acoustic information.



D1522
Ø 1.5 mm
⇳ 4 ⇿ 4
Openness 22%



D2022
Ø 2 mm
⇳ 5 ⇿ 5
Openness 22%

PHYSICAL DATA

Plain/Perf+NW:
A2-s1,d0

α_W=0.4 - 0.5 (H)

Class

AL: 4.9 kg/m²
FE: 7.8 kg/m²

Colours:
See page 166

Varies with finish
RAL9010: LR = 0.81

Alu

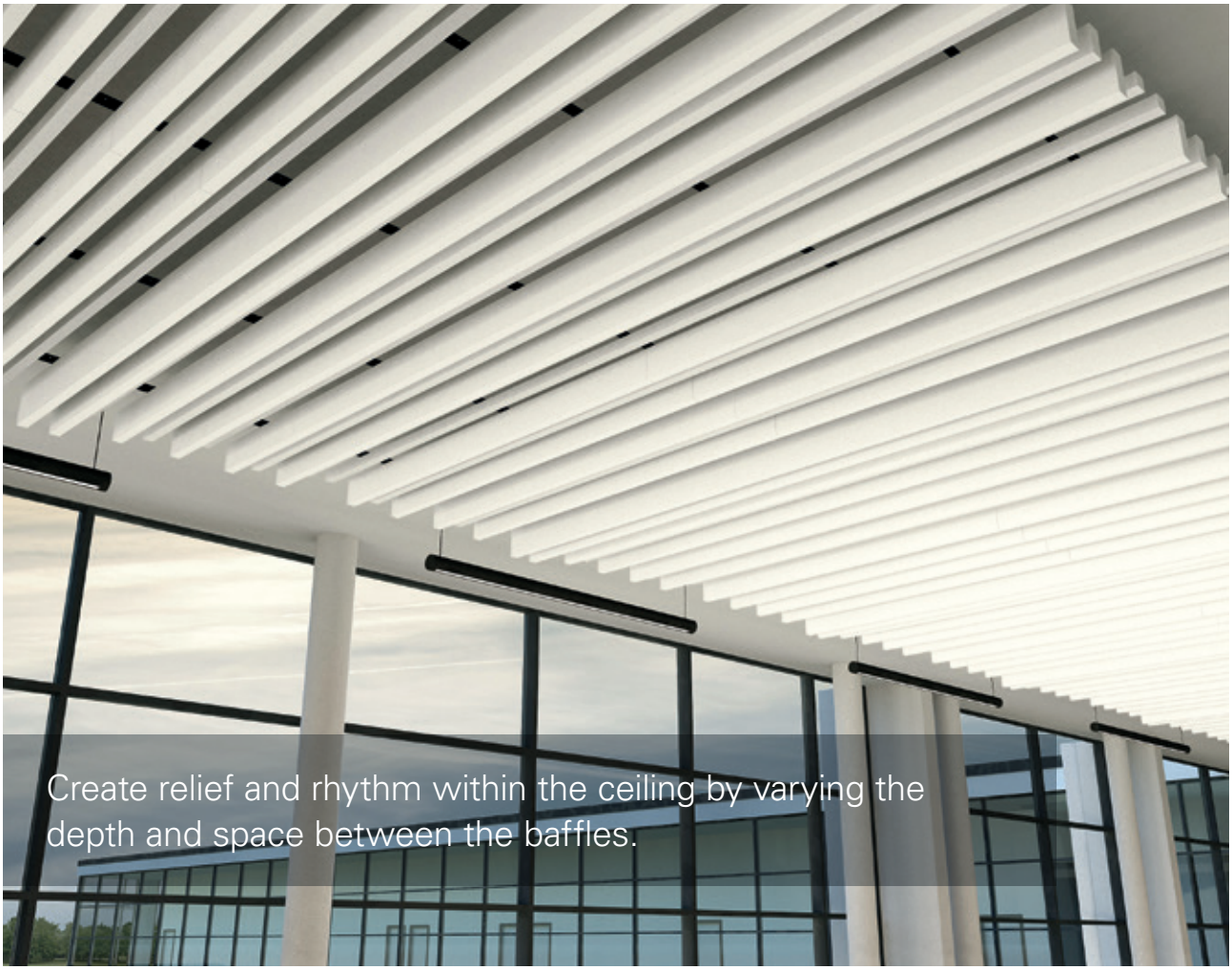
Class B

Perf+NW

Plain

BAFFLES

TAVOLA™ LEVELS



Project: Tavola™ Levels Concept

KEY FEATURES

- Profile lengths up to 4000 mm, on request up to 6000 mm
- Profile heights: standard 100 - 150 - 200 mm, other heights on request
- Profile widths: 30, 40 and 50 mm
- Carrier length: standard 5000 mm
- On site waste reduction with factory fabricated dimensional material
- Standard from pre-painted steel strip
- Easy plenum access

Production by Hunter Douglas Ceiling Center

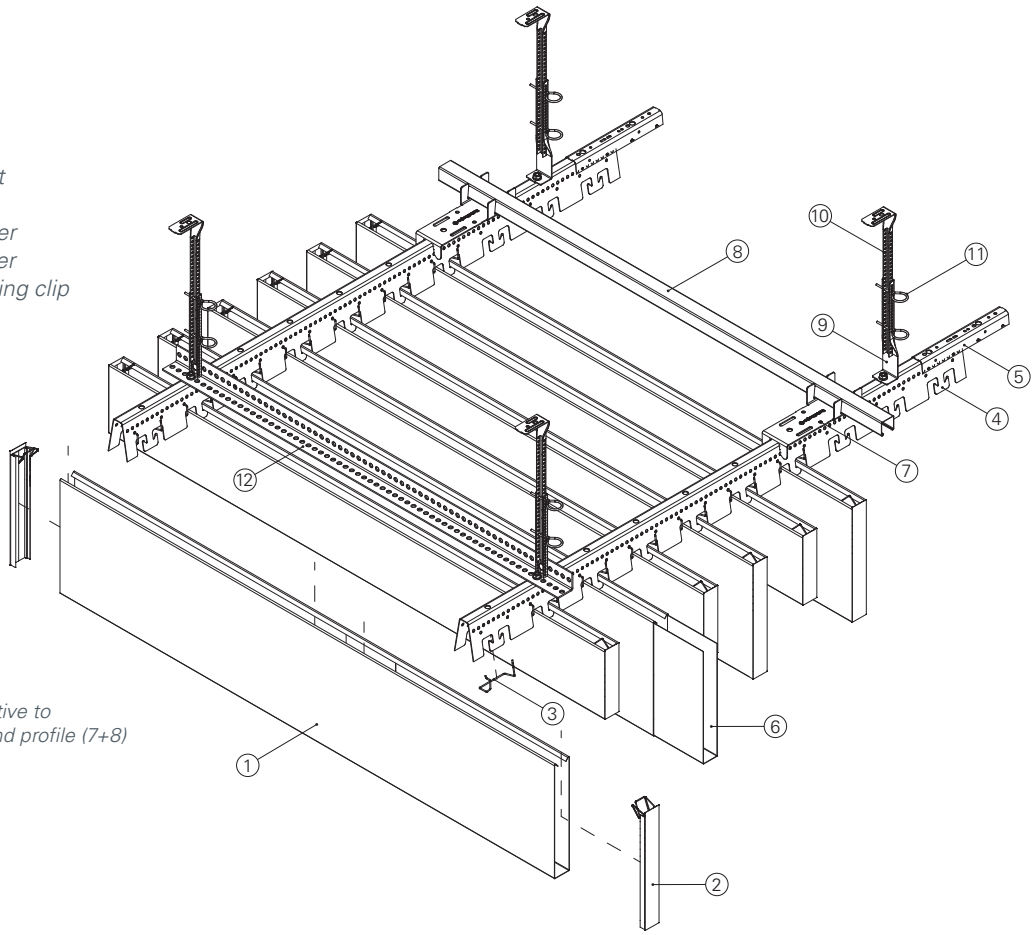
EN 13964
E1

A

Fe : 17%
Al : 90%

TYPICAL ISOMETRICS

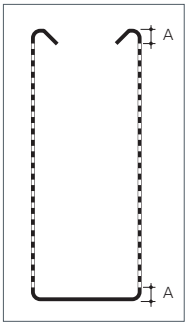
1 = Tavola™ Baffle
2 = End cap
3 = Locking spring
4 = Carrier
5 = Carrier splice
6 = Baffle splice
7 = Stabilisation bracket
8 = Stabilisation profile
9 = Lower nonius hanger
10 = Upper nonius hanger
11 = Nonius hanger locking clip
*12 = Primary profile**



** Can be used as an alternative to the stabilisation bracket and profile (7+8)*

Maximum spans primary and secondary grid 1200 mm
Maximum cantilevers 300 mm

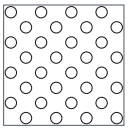
Standard Perforation



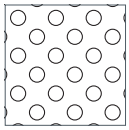
A = 10 mm

PERFORATION PATTERNS

Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 365 for acoustic information.



D1522
Ø 1.5 mm
⇳ 4 ⇔ 4
Openness 22%



D2022
Ø 2 mm
⇳ 5 ⇔ 5
Openness 22%

PHYSICAL DATA



Plain/Perf+NW:
A2-s1,d0





α_W=0.4 - 0.5 (H)









AL: 4.9 kg/m²
FE: 7.8 kg/m²



Colours:
See page 166



Varies with finish
RAL9010: LR = 0.81



Alu



Class B

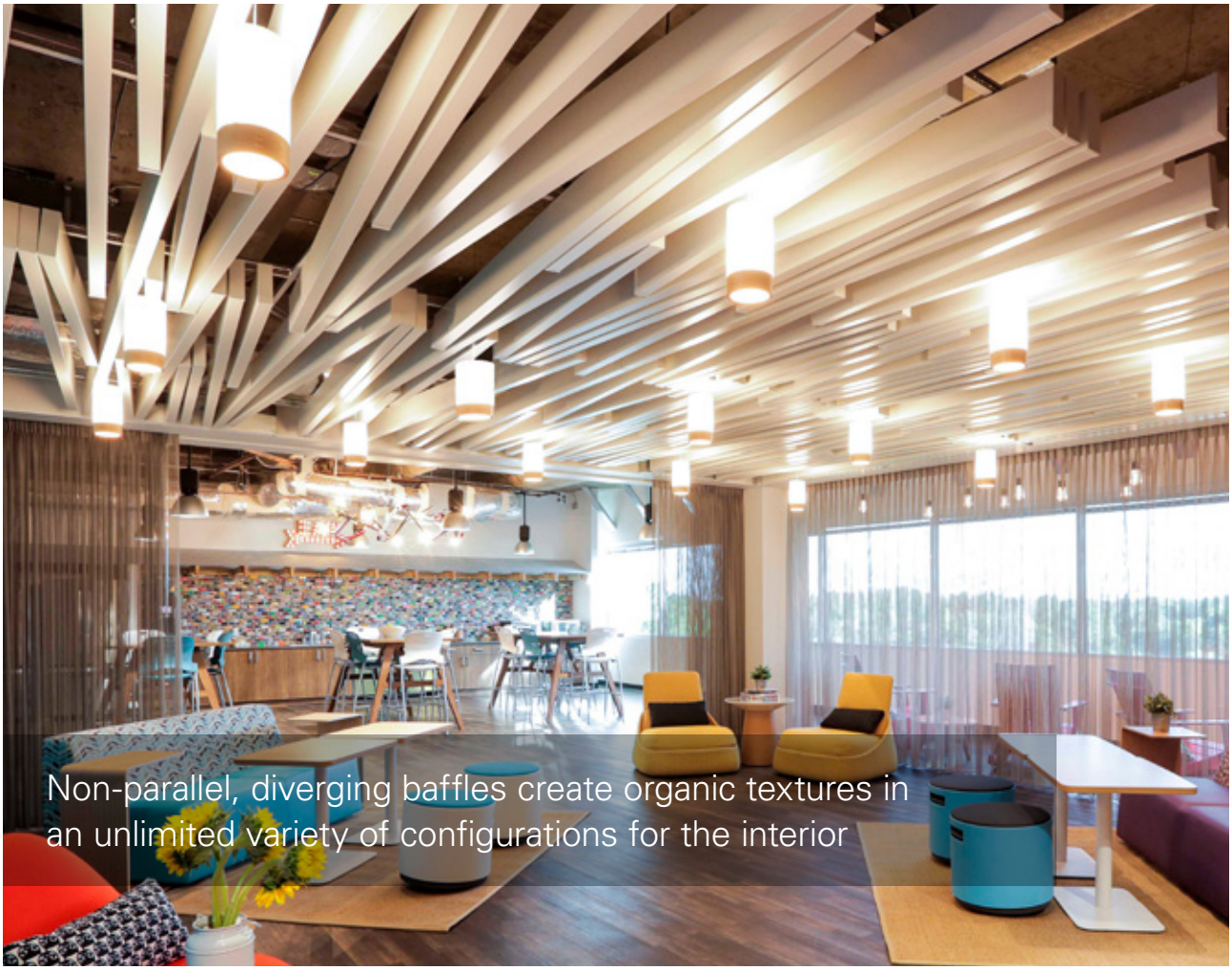


Perf+NW



Plain

BAFFLES
TAVOLA™ DIVERGENT



Project: Booking.com, Orlando, FL - Product: Baffles Tavola™ Divergent - Photo credit: MACBETH PHOTO

KEY FEATURES

- Profile lengths up to 4000 mm, on request up to 6000 mm
- Profile heights: standard 100 - 150 - 200 mm, other heights on request
- Profile widths: 30, 40 and 50 mm
- Carrier length: standard 2990 mm
- On site waste reduction with factory fabricated dimensional material
- Standard from pre-painted steel strip
- Easy plenum access

** > 500 mm available on request*

Production by Hunter Douglas Ceiling Center

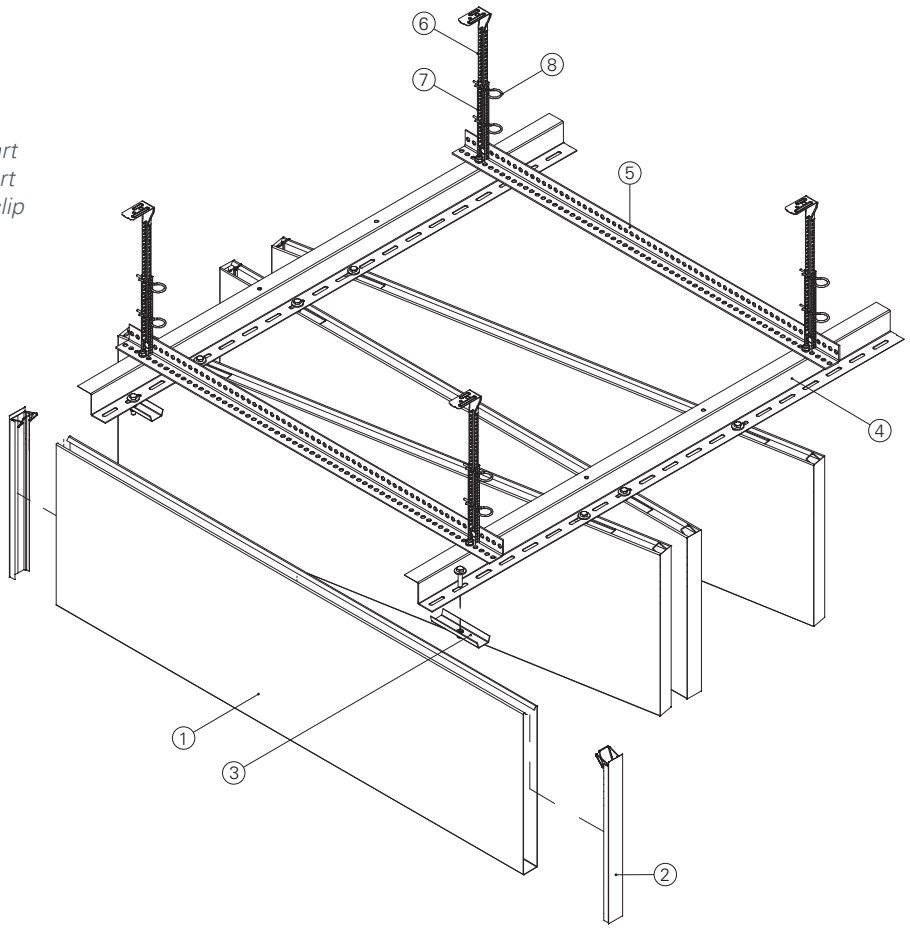
EN 13964
E1

A

Fe : 17%
Al : 90%

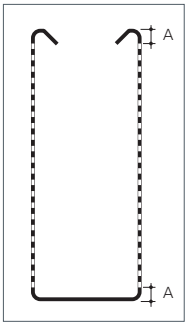
TYPICAL ISOMETRICS

1 = Tavola™ Baffle
2 = End cap
3 = Fixing plate
4 = Carrier
5 = Primary grid
6 = Nonius hanger upper part
7 = Nonius hanger lower part
8 = Nonius hanger locking clip



Maximum spans primary and secondary grid 1200 mm
Maximum cantilevers 300 mm

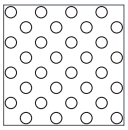
Standard Perforation



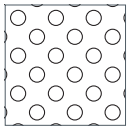
A = 10 mm

PERFORATION PATTERNS

Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 365 for acoustic information.



D1522
Ø 1.5 mm
⇳ 4 ⇔ 4
Openness 22%



D2022
Ø 2 mm
⇳ 5 ⇔ 5
Openness 22%

PHYSICAL DATA



Plain/Perf+NW:
A2-s1,d0





α_w=0.4 - 0.5 (H)









AL: 4.9 kg/m²
FE: 7.8 kg/m²



Colours:
See page 166



Varies with finish
RAL9010: LR = 0.81



Alu



Plain: Class C
Perf+NW: Class B



Perf+NW



Plain

COLOURS AND FINISHES

Hunter Douglas offers a wide choice of colours and finishes. Custom colour matching is available upon request. Please contact your local Hunter Douglas sales office for minimum quantities and lead times. See website for the most up to date information. Colours are for illustration purposes only.

STANDARD PAINT COLOURS



0181
±RAL 9003

0280
±RAL 9010

1883
±RAL 9011

8920
Oak

CUSTOM COLOURS



On Request



Project: Darwin Centre, Shrewsbury, UK - Product: Baffles Tavola™ Straight - Architect: Chapman Taylor



Project: Blue City shopping mall Food Court, Warsaw, Poland - Product: Baffles V100 (Screens) - Architect: Studio Quadra

KEY FEATURES

- Panel length: 800 mm up to 6000 mm
- Panel heights: 101 mm (V100); 200 mm (V200)
- Also available in exterior application (V100 only)
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services
- Option of deco profile clipped to the bottom of the V100/200 panel. In extruded aluminium or solid wood

Production by Hunter Douglas Ceiling Center

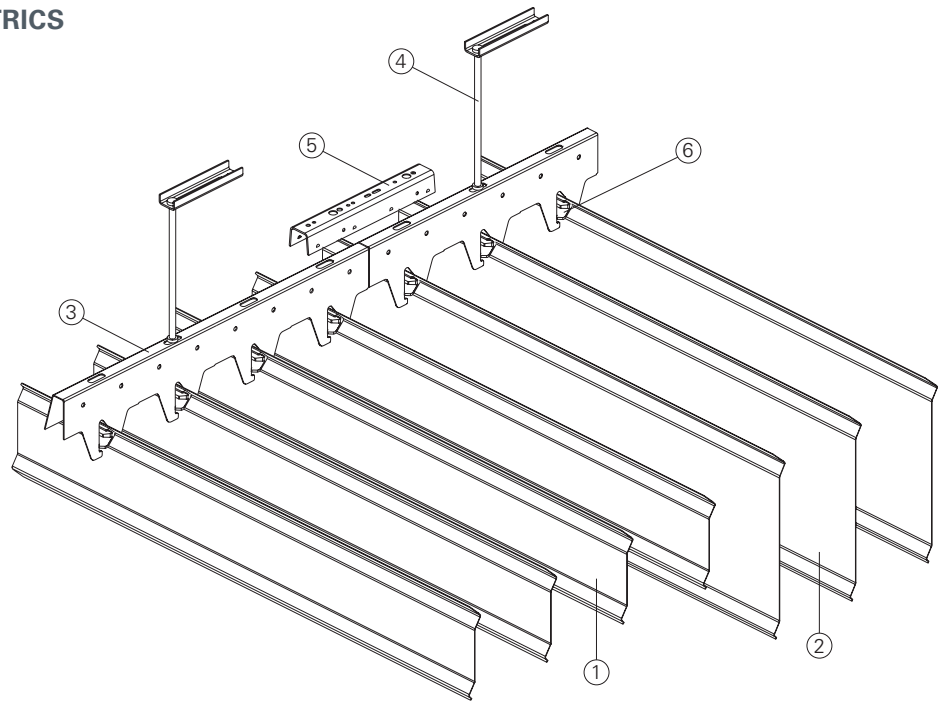
EN 13964
E1

A+

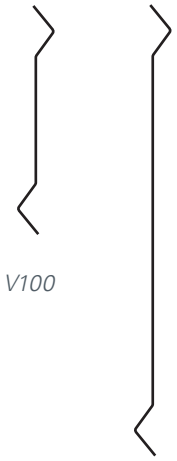
90%

TYPICAL ISOMETRICS

1 = V100 panel
2 = V200 panel
3 = Carrier
4 = Hanger
5 = Carrier splice
6 = Panel fixing clip

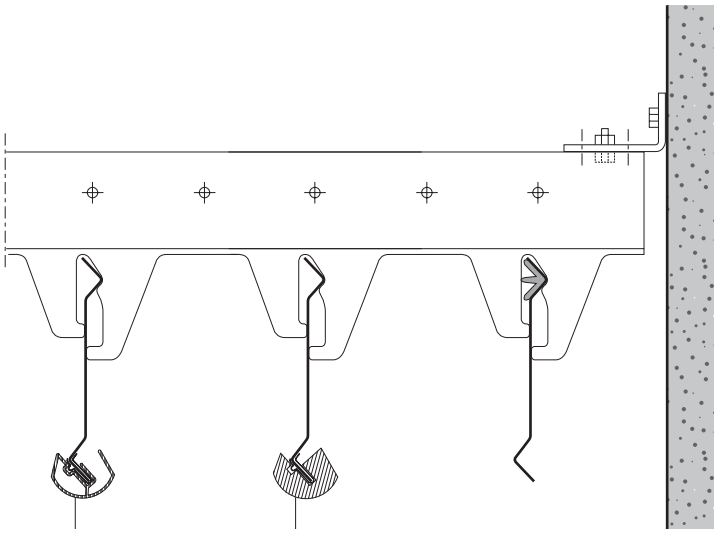


TYPICAL SECTIONS



V100

V200



Decoprofile Extruded Aluminium (optional)

Decoprofile Solid Wood (optional)

Screen clip for Exterior application (optional)

PHYSICAL DATA

V100: A2-s1,d0
V200: A2-s2,d0
(without Deco profiles)

Al: 3.0 - 4.5 kg/m²

0280: 65%

Plain: Class C

Plain

OPTIONAL

Colours:
See page 170

Exterior solutions:
See page 262

COLOURS AND FINISHES

Hunter Douglas offers a wide choice of colours and finishes. Custom colour matching is available upon request. Please contact your local Hunter Douglas sales office for minimum quantities and lead times. See website for the most up to date information. Colours are for illustration purposes only.

STANDARD PAINT COLOURS

0280
±RAL 9010



1883
±RAL 9011
(only V100)



7163

CUSTOM COLOURS



COLOUR OPTIONS DECOPROFILES ALUMINIUM



Alu natural
anodised

RAL 9010

COLOUR OPTIONS DECOPROFILES WOOD



Cherry



Steamed
beech

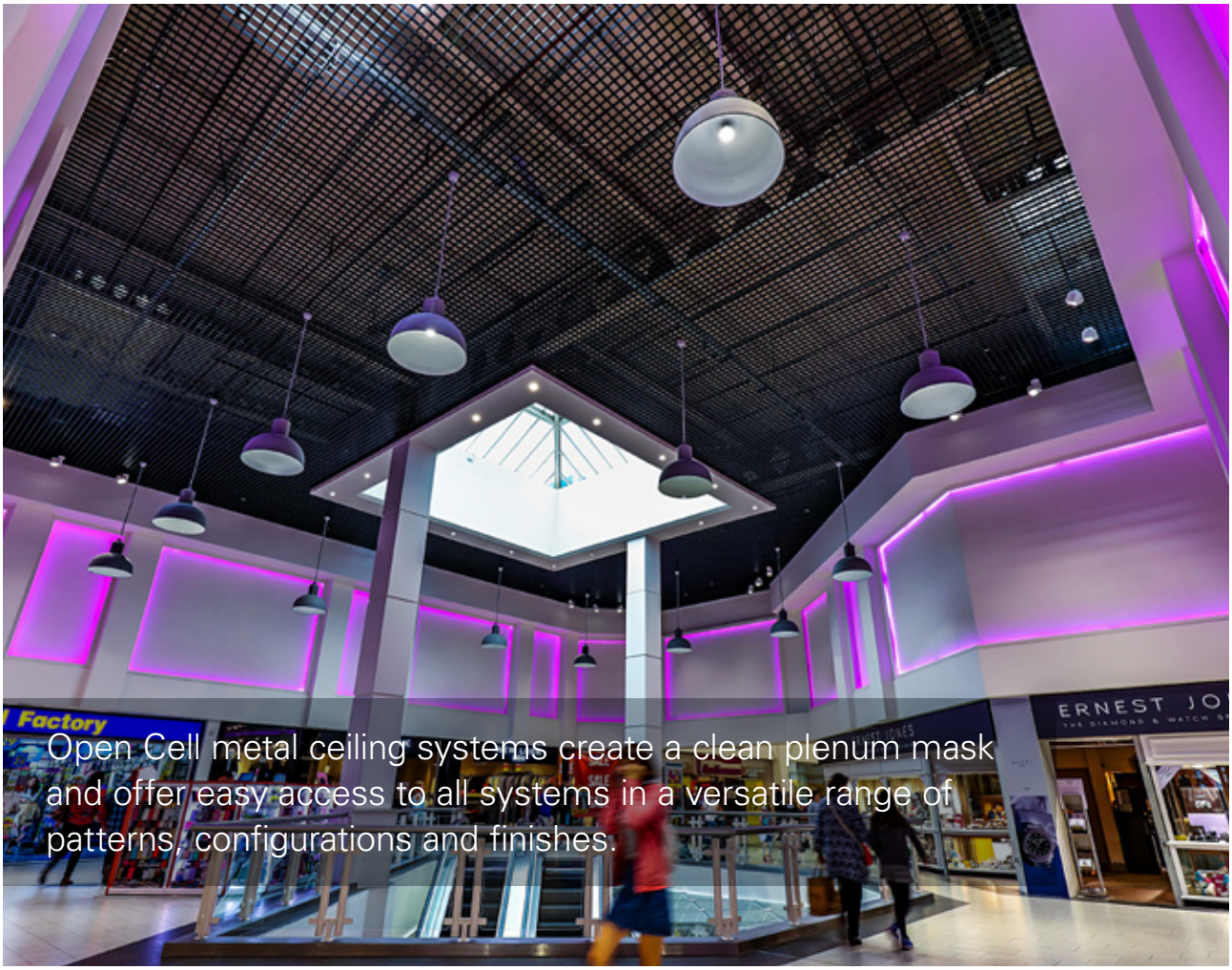


Project: Soccer stadium Arena, Amsterdam, The Netherlands - Products: Baffles V100/V200 (Screens)



Project: Bucharest Veranda shopping mall, Bucharest, Romania - Products: Baffles V100/V200 (Screens) with Deco profiles
Architect: Chapman Taylor Studio 10M


Parfait
DEICHMAN



Open Cell metal ceiling systems create a clean plenum mask and offer easy access to all systems in a versatile range of patterns, configurations and finishes.

Project: Darwin centre, Shrewsburry, United Kingdom - Product: Cell 40 - Architect: Chapman Taylor, London

KEY FEATURES

- Tile dimensions 600 x 600 mm and 600 x 1200 mm
- Profile heights: 40 and 50 mm
- Profile width 10 mm
- Standard modules 50*, 60, 75, 86, 100, 120, 150 and 200 mm
- Other dimensions and modules available on request
- Bi-directional plenum mask
- Monolithic design with integrated support structure
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

**M50: only for Cell 50E with Cell 40 sliding Clip and Cell 40*

Production by Hunter Douglas Ceiling Center

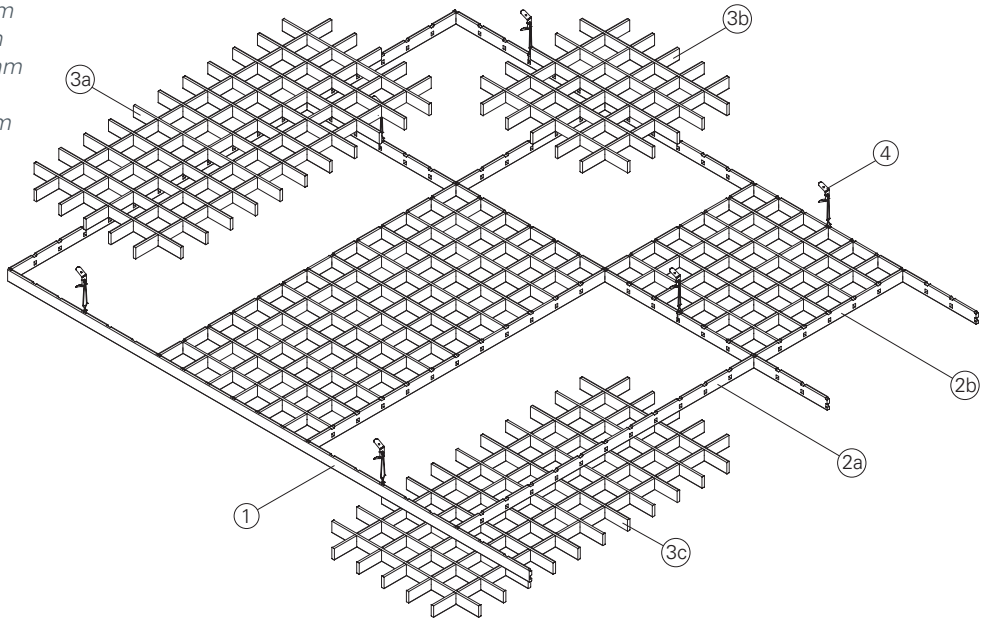
EN 13964
E1

A+

90%

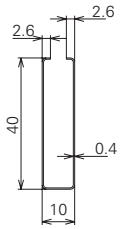
TYPICAL ISOMETRICS

1 = Main runner 2400 mm
2a = Cross runner 1200 mm
2b = Cross runner 600 mm
3a = Cell tile 1200 x 600 mm (pre-notched hooks)
3b = Cell tile 600 x 600 mm (pre-notched hooks)
3c = Cell tile 1200 x 600 or 600 x 600 mm (straight ends, for sliding clip)
4 = Cell hanger

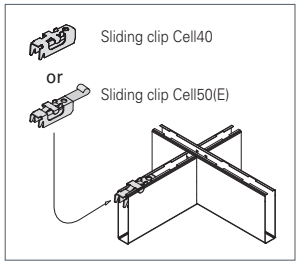


Example Cell40

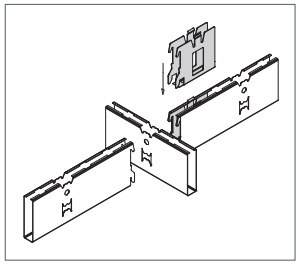
TYPICAL SECTIONS



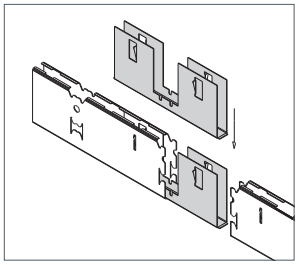
Cell40



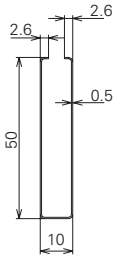
Sliding clip



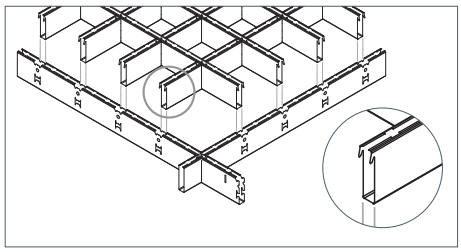
Adaptor bracket



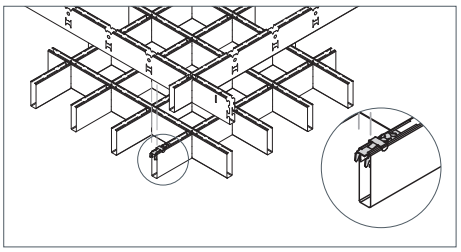
Main runner splice



Cell50 + 50E



Pre-notched hooks (all around, Cell40)



Clean-cut ends + sliding clips (4/tile, Cell40, Cell50, Cell50E)

PHYSICAL DATA

A2-s2,d0

3.0 - 4.5 kg/m²

0280: 65%

Plain: Class C

Plain

OPTIONAL

Acoustics:
See page 365

Colours:
See page 176

COLOURS AND FINISHES

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STANDARD PAINT COLOURS (CELL40)



0181 ±RAL 9003 | 0280 ±RAL 9010 | 1883 ±RAL 9011 | 7163 ±RAL 9006

STANDARD PAINT COLOURS (CELL50E)



0181 ±RAL 9003 | 0280 ±RAL 9010 | 7163 ±RAL 9006

STANDARD PAINT COLOURS (CELL50)

COOL WHITES

0106 ±RAL 9016 | 0181 ±RAL 9003

CUSTOM COLOURS



NATURE TONES



1585 | 4648 | 1883 ±RAL 9011 | 0735

WARM WHITES

0280 ±RAL 9010 | 0581 ±RAL 9001

METALS



7163 | 7007 | 7178

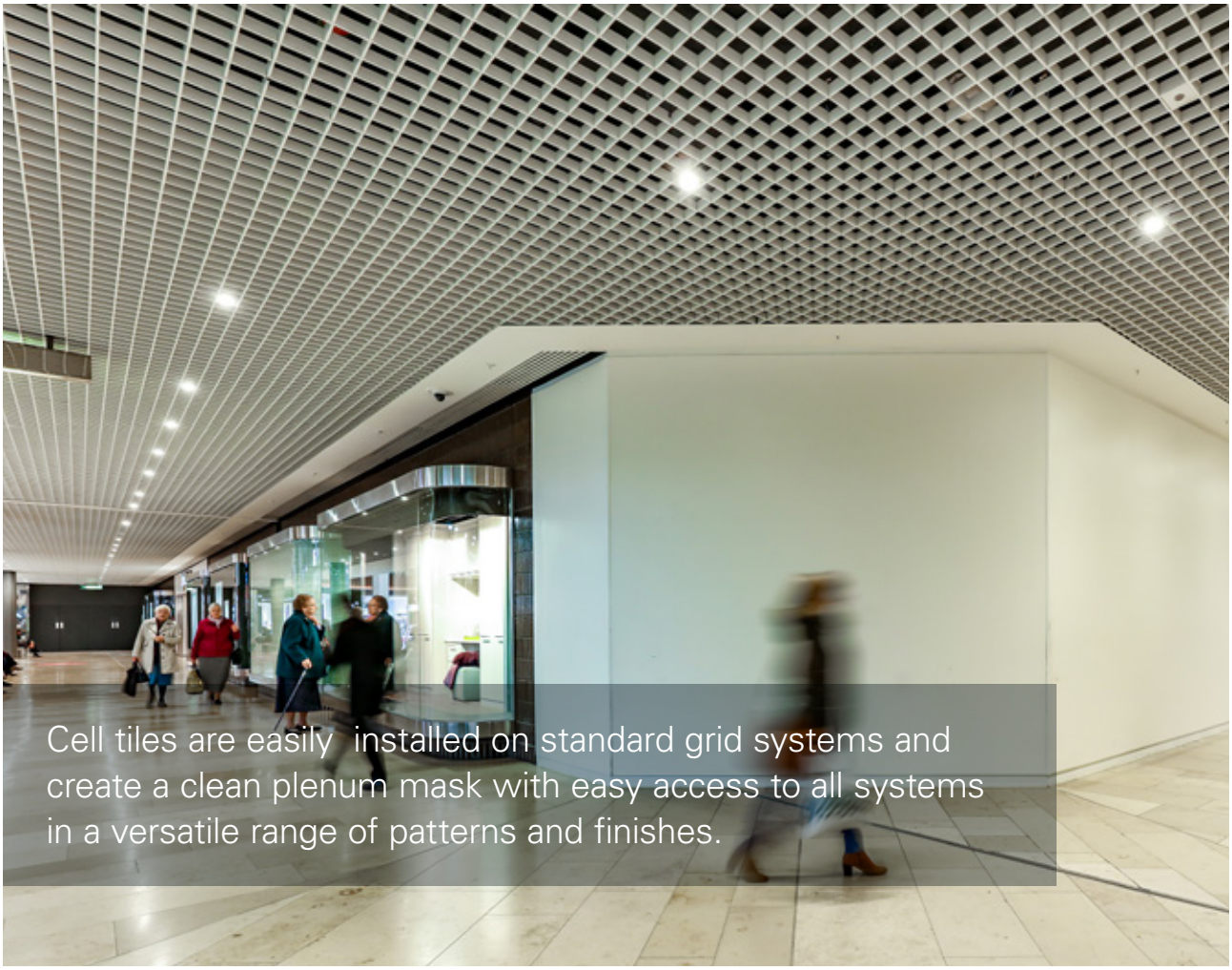
WOOD TONES



8620 Pine | 8612 Cedar | 8610 Palisander | 8616 Elm | 8601 Oak



Project: SS Rotterdam, Rotterdam, The Netherlands - Product: Cell 50 - Architect: Cepezed Delft



Project: Queensgate Shopping Centre, Peterborough, United Kingdom - Product: Cell - Architect: Benoy

KEY FEATURES

- Tile dimensions 600 x 600 mm and 600 x 1200 mm
- Profile heights: 40 mm
- Profile width 15 mm
- Standard modules 50, 60, 75, 86, 100, 120, 150 and 200 mm
- Other dimensions and modules available on request
- Bi-directional plenum mask
- Fits seamlessly in butted standard T15 grid
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

Production by Hunter Douglas Ceiling Center

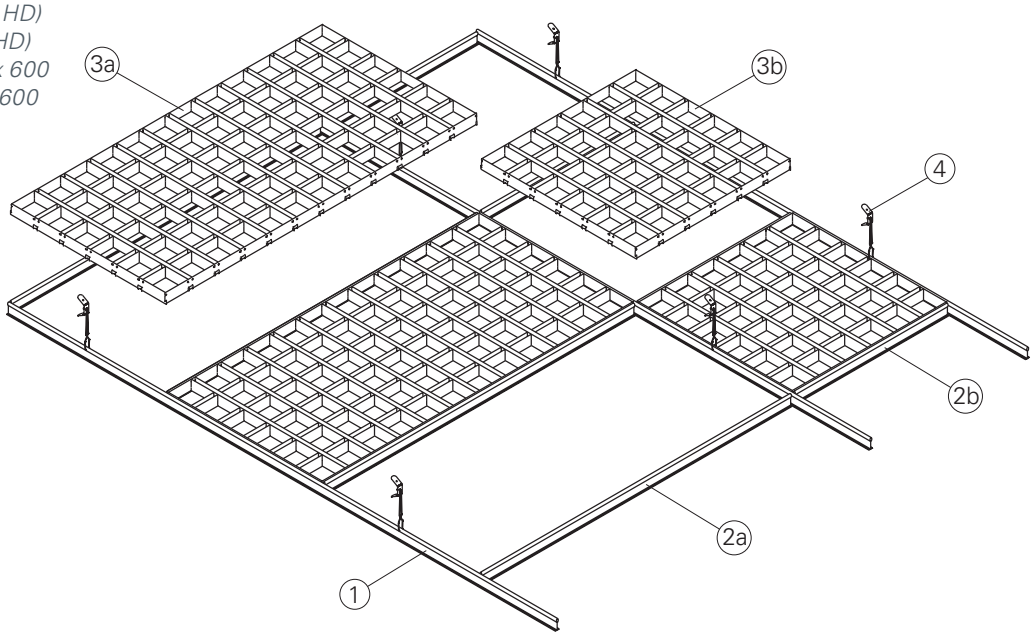
EN 13964
E1

A+

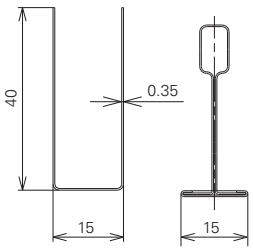
90%

TYPICAL ISOMETRICS

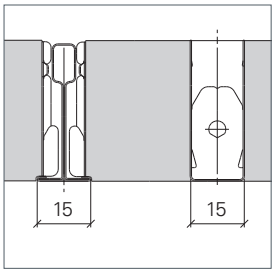
1 = Main T-profile 3600 (non HD)
2a = Cross T 1200 (non HD)
2b = Cross T 600 (non HD)
3a = Cell T15 tile 1200 x 600
3b = Cell T15 tile 600 x 600
4 = Cell hanger



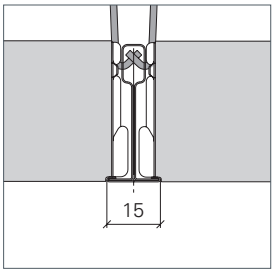
TYPICAL SECTIONS



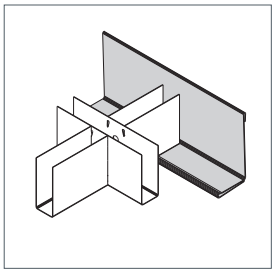
CellT15



T-profiles flush with tiles



Cell hanger suspension



Edge trimming with L-profile

PHYSICAL DATA

A2-s2,d0

3.0 - 4.5 kg/m²

0280: 65%

Plain: Class C

Plain

OPTIONAL

Colours:
See page 180

COLOURS AND FINISHES

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STANDARD PAINT COLOURS

0181
±RAL 9003



1883
±RAL 9011



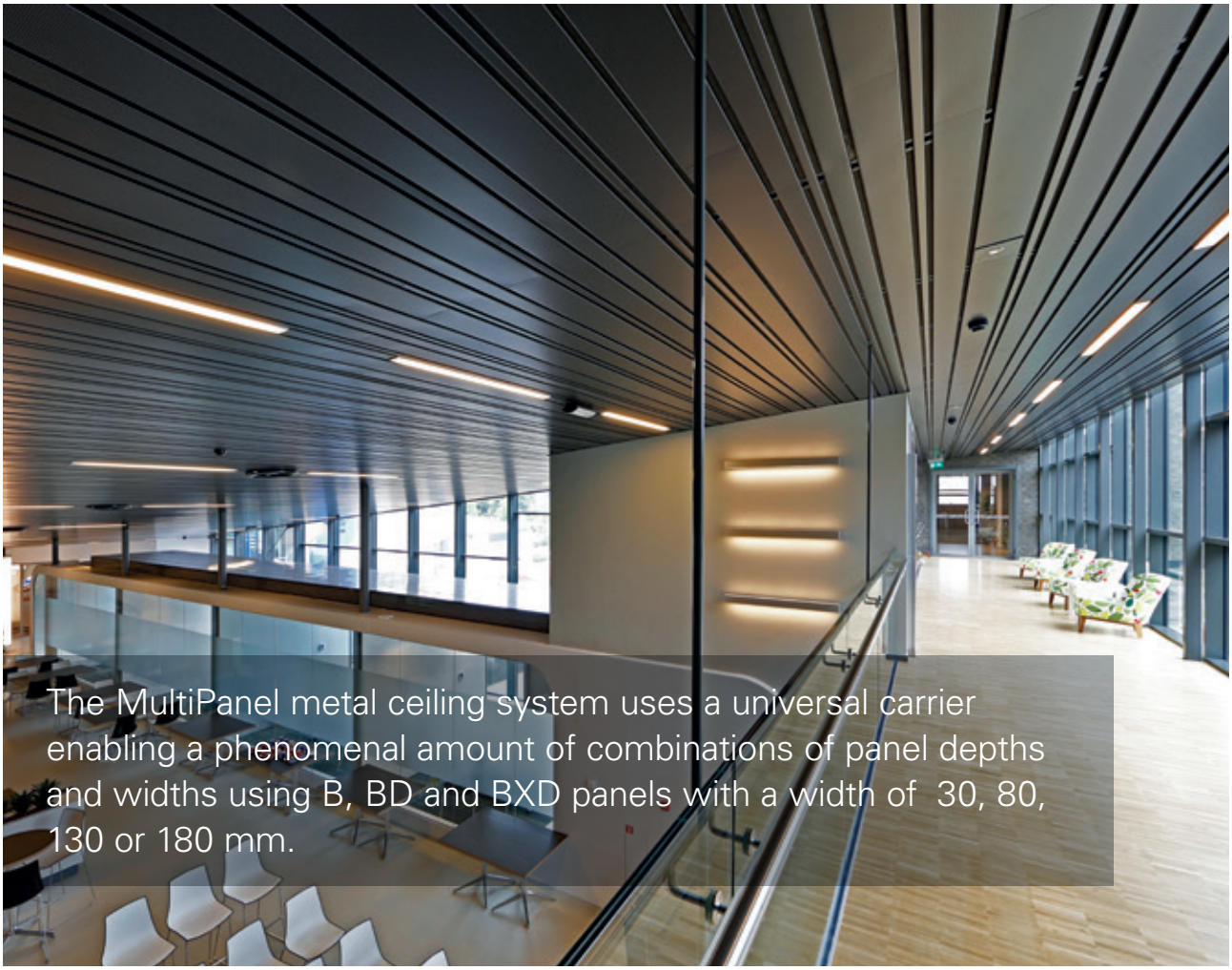
7163
±RAL 9006

CUSTOM COLOURS





Project: Queensgate Shopping Centre, Peterborough, United Kingdom - Product: Cell - Architect: Benoy



Project: City Hall Berkelland, Borculo, The Netherlands - Product: Linear MultiPanel - Architect: IAA Architecten

KEY FEATURES

- Panel widths: 30 mm, 80 mm, 130 mm and 180 mm, joint width 20 mm
- Panel length: 800 mm up to 6000 mm
- Panel depths:
  - 15 mm (30B, 80B, 130B, 180B)
  - 39 mm (30BD)
  - 64 mm (30BXD, 80BXD, 130BXD)
- Square edge design
- Curved carrier application available
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

Production by Hunter Douglas Ceiling Center

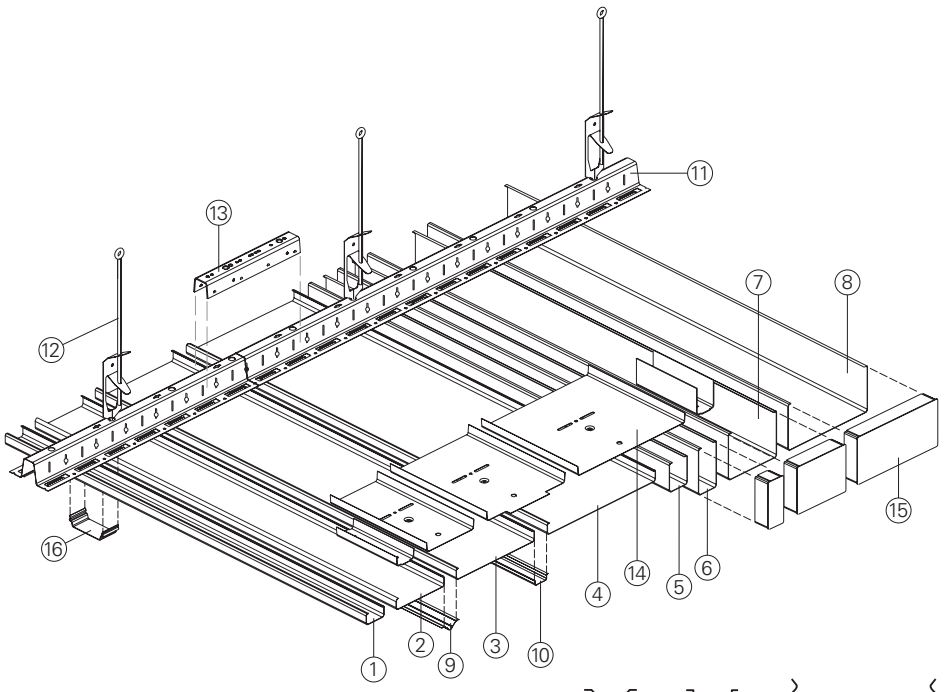
EN 13964
E1

A+

90%

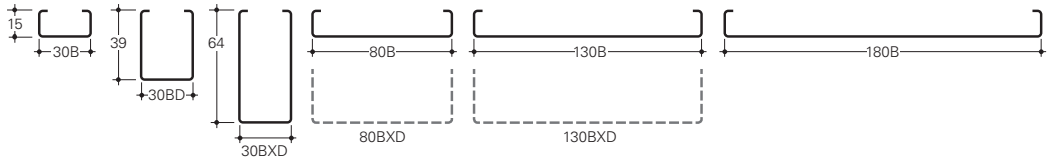
TYPICAL ISOMETRICS

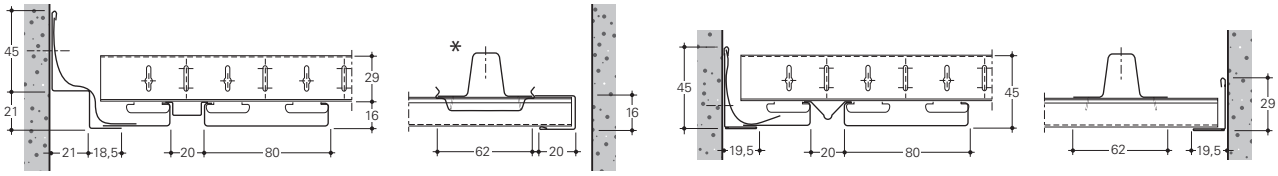
1 = 30B panel
2 = 80B panel
3 = 130B panel
4 = 180B panel
5 = 30BD panel
6 = 30BXD panel
7 = 80BXD panel
8 = 130BXD panel
9 = Recessed V-join profile
10 = Recessed U-join profile
11 = Multi-Panel Carrier
12 = Hanger
13 = Carrier Splice
14 = Panel Splice
15 = End Cap
16 = Fixing clip





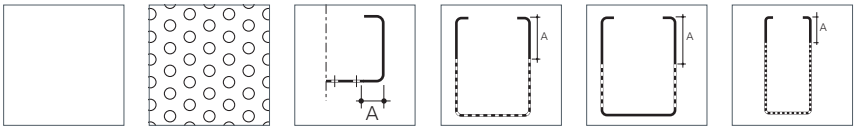
TYPICAL SECTIONS





PERFORATION PATTERNS

Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 365-367 for acoustic information.



Plain

D1523
Ø 1.5 mm
⇳ 3 ⇔ 5.2
Openness 23%

Ø 1.5 mm:
A = 5 mm
30B/80B/130B/180B

Ø 1.5 mm:
A = 17 mm
30BD standard

Ø 1.5 mm:
A = 19 mm
30BD on request

Ø 1.5 mm:
A = 17 mm
30/80/130BXD

PHYSICAL DATA

Plain: A2-s1,d0
Perf+NW: A2-s2,d0
30B(X)D plain: B-s1,d0
30B(X)D perf+NW: B-s2,d0

D1523: α_W=0.75

AL: 1.9 - 6.0 kg/m²

0280: 65%

Plain: Class C
Perf+NW: Class B

Perf+NW

Plain

OPTIONAL

Colours:
See page 184

Curved solutions:
See page 210

Exterior solutions:
See page 250

COLOURS AND FINISHES

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STANDARD PAINT COLOURS

COOL WHITES

0106
±RAL 9016

0181
±RAL 9003

WARM WHITES

0280
±RAL 9010

0581
±RAL 9001

NATURE TONES


1585


4648


1883
±RAL 9011

0735

METALS


7163
±RAL 9006


7007


7178


7008

WOOD TONES


8620
Pine


8612
Cedar


8610
Palisander


8616
Elm


8601
Oak

CUSTOM COLOURS



COLOUR AVAILABILITY PER PANEL

Colour	RAL/NCS	30B	30BD 80B	30BXD 130B	80BXD 180B	130BXD
0106	±9016		✓	✓		✓
0181	±9003	✓	✓	✓	✓	✓
0280	±9010	✓■	✓■	✓■	✓■	✓■
0581	±9001		✓			
0735			✓			
1585			✓	✓		
1883	±9011		✓	✓	✓	✓
4648			✓	✓		
7007			✓	✓		
7008			✓			
7163	±9006	✓■	✓■	✓■	✓■	✓■
7178			✓	✓	✓	✓
Wood tones						
8601	Oak		✓	✓		
8610	Palissander		✓	✓		
8612	Cedar		✓	✓		
8616	Elm		✓	✓		
8620	Pine		✓	✓		

■ *Available with 1,5 mm perforation*



Project: Centre Permis, Gennevilliers, France - Product: Linear MultiPanel - Architect: a+ samueldelmas

LINEAR
30BD/30BXD + CCA



Project: Charles de Gaulle airport, Accueil, France - Product: Linear 30BD - Architect: NoE Duchaufour Lawrance

KEY FEATURES

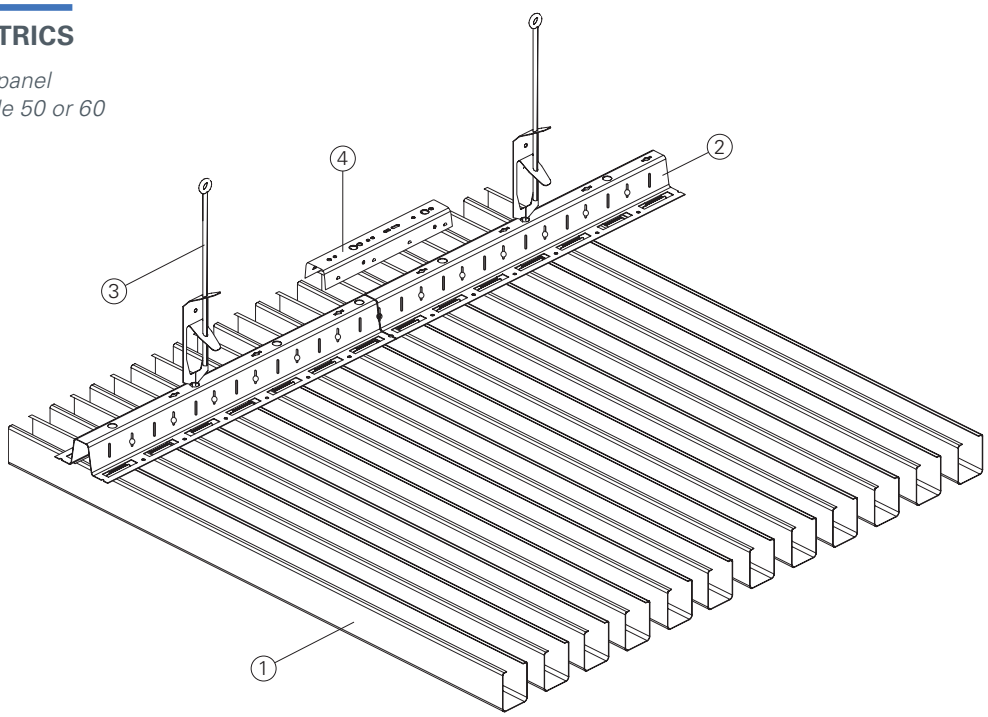
- Panel width: 30 mm, joint width 20 mm (standard) or 30 mm (CCA)
- Panel length: 800 mm up to 6000 mm
- Panel depths: 39 mm (30BD) and 64 mm (30BXD)
- Carrier modules: 50 mm (standard) and 60 mm for enhanced heat exchange in CCA application
- Square edge design
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

Production by Hunter Douglas Ceiling Center

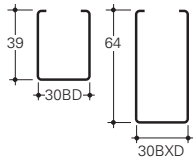
EN 13964 E1 | A+ | 90%

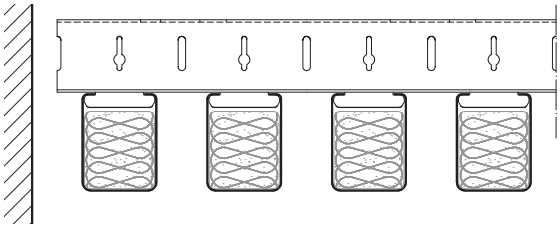
TYPICAL ISOMETRICS

1 = 30BD / 30BXD panel
2 = Al carrier module 50 or 60
3 = Hanger
4 = Al carrier splice



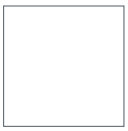
TYPICAL SECTIONS



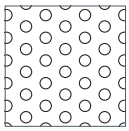


PERFORATION PATTERNS

Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 365-367 for acoustic information.

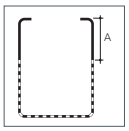


Plain



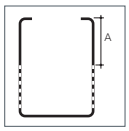
D1523
Ø 1.5 mm
⇳ 3 ⇔ 5.2
Openness 23%

(Scale 1:3)



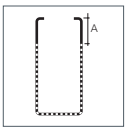
Ø 1.5 mm:
A = 17 mm
30BD standard

(Scale 1:3)



Ø 1.5 mm:
A = 19 mm
30BD on request

(Scale 1:5)



Ø 1.5 mm:
A = 17 mm
30BXD

PHYSICAL DATA



Plain: B-s1,d0
Perf+NW: B-s2,d0



D1523: α_w=0.75



Al: 3.8 - 6.0 kg/m²



0280: 65%



Plain: Class C
Perf+NW: Class B



Perf+NW



Plain

OPTIONAL





Colours:
See page 188

COLOURS AND FINISHES

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STANDARD PAINT COLOURS

COOL WHITES

0106
±RAL 9016

0181
±RAL 9003

WARM WHITES

0280
±RAL 9010

0581
±RAL 9001
(only 30BD)

NATURE TONES



1585



4648



1883
±RAL 9011

0735
(only 30BD)

METALS



7163



7007



7178



7008
(only 30BD)

WOOD TONES



8620
Pine



8612
Cedar



8610
Palisander



8616
Elm

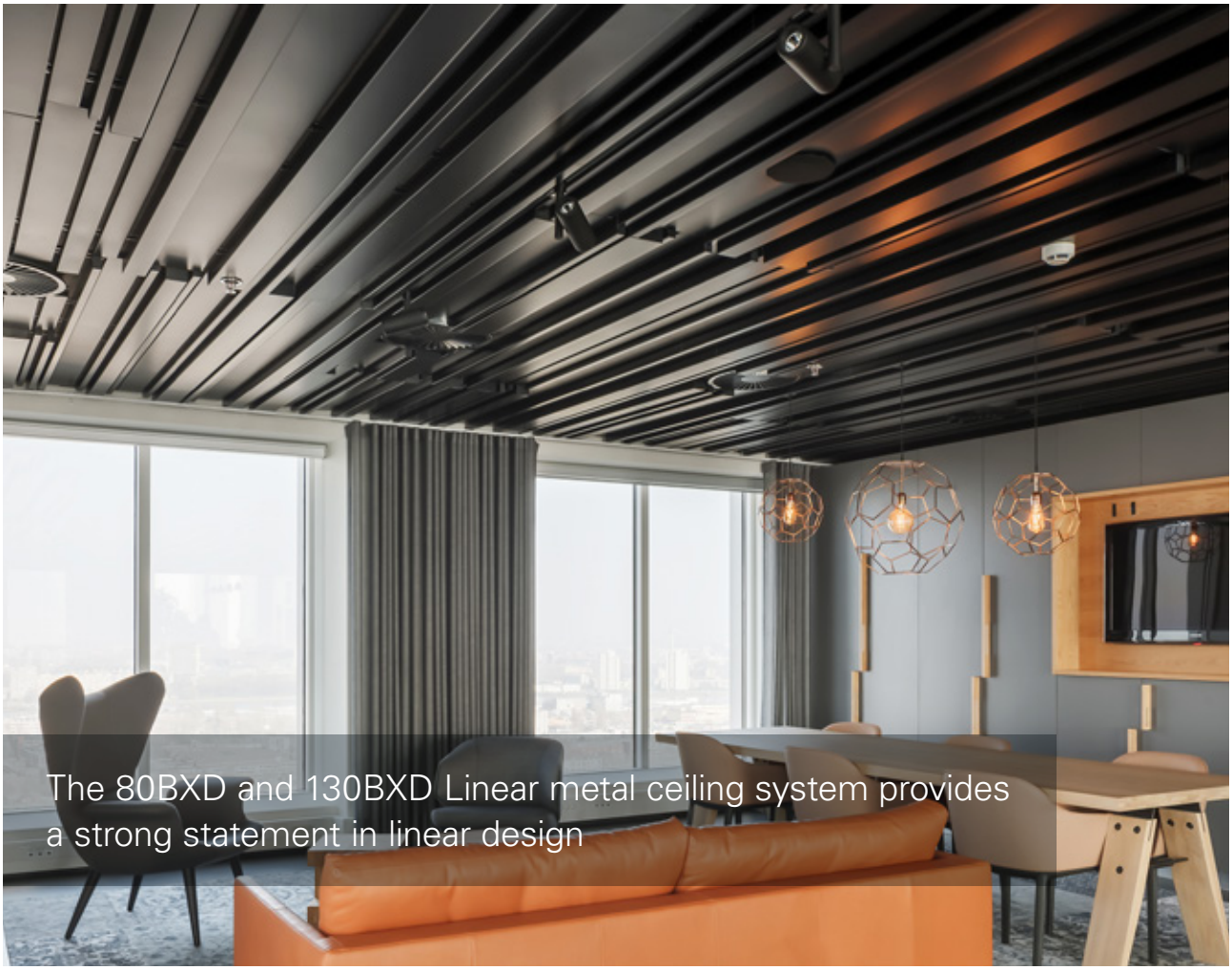


8601
Oak



Project: Waterschap Brabantse Delta, Breda, The Netherlands - Product: Linear 30BD - Architect: Claus en Kaan Architecten Rotterdam

LINEAR
80BXD/130BXD



Project: Maastoren, Rotterdam, The Netherlands - Product: Linear Multipanel - Architect: OTH architecten

KEY FEATURES

- Panel widths: 80 mm and 130 mm, joint width 20 mm
- Panel length: 800 mm up to 6000 mm
- Panel depth 64 mm
- Square edge design
- Curved carrier application available
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

Production by Hunter Douglas Ceiling Center

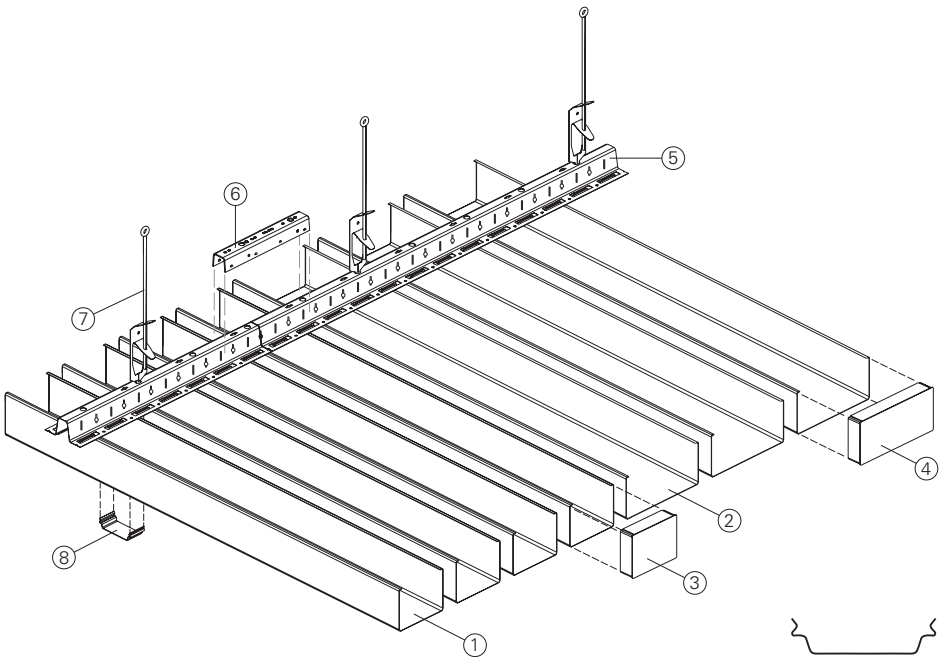
EN 13964
E1

A+

90%

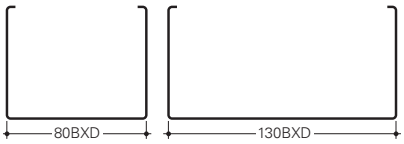
TYPICAL ISOMETRICS

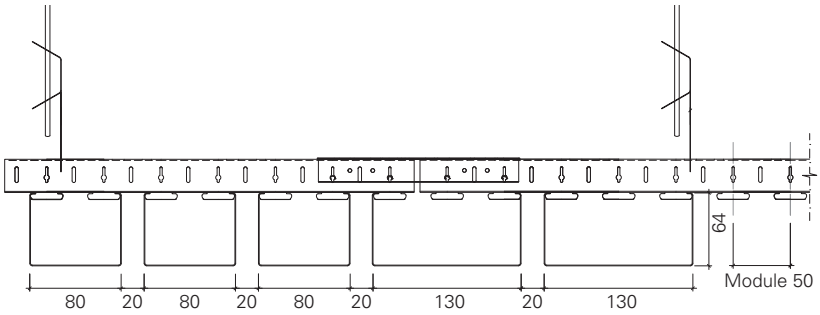
1 = 80BXD panel
2 = 130BXD panel
3 = End Cap (80BXD)
4 = End Cap (130BXD)
5 = Multi-Panel Carrier
6 = Carrier Splice
7 = Hanger
8 = Fixing clip



Fixing clip

TYPICAL SECTIONS

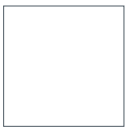




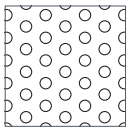
PERFORATION PATTERNS

Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 365-367 for acoustic information.

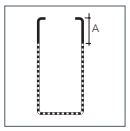
(Scale 1:5)



Plain



D1523
Ø 1.5 mm
⇳ 3 ⇔ 5.2
Openness 23%



Ø 1.5 mm:
A = 17 mm
80BXD/130BXD

PHYSICAL DATA



Plain: A2-s1,d0
Perf+NW: A2-s2,d0



D1523: α_W=0.75



Al: 3.75 - 4.5 kg/m²



0280: 65%



Plain: Class C
Perf+NW: Class B



Perf+NW



Plain

OPTIONAL



Colours:
See page 192

COLOURS AND FINISHES

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STANDARD PAINT COLOURS

COOL WHITES

0106
±RAL 9016

0181
±RAL 9003

WARM WHITES

0280
±RAL 9010

NATURE TONES


1883
±RAL 9011

METALS


7163


7178

CUSTOM COLOURS



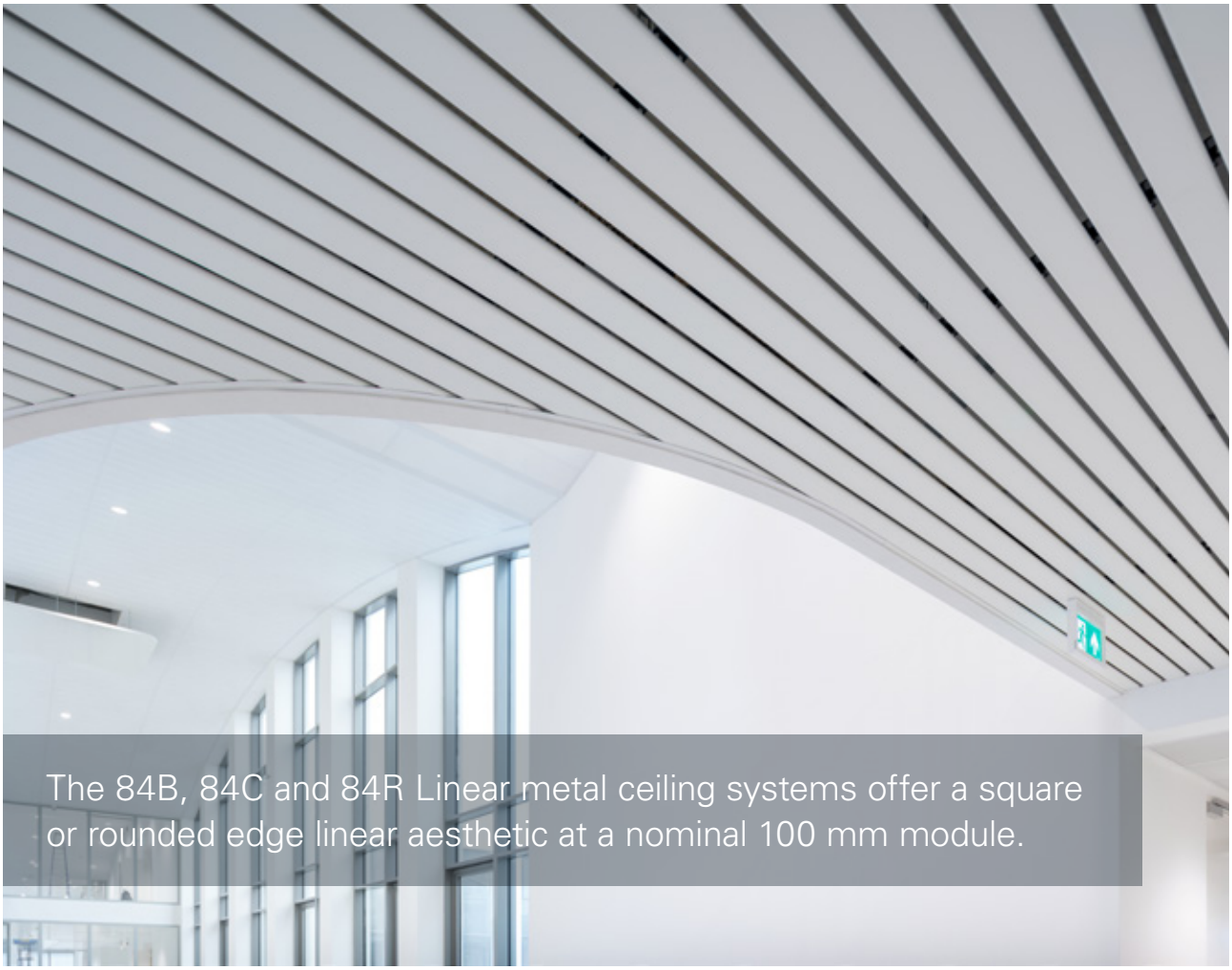
COLOUR AVAILABILITY PER PANEL

Colour	RAL/NCS	80BXD	130BXD
0106	±9016		✓
0181	±9003	✓	✓
0280	±9010	✓■	✓■
1883	±9011	✓	✓
7163	±9006	✓■	✓■
7178		✓	✓

■ *Available with 1,5 mm perforation*



Project: Chisinau airport, Moldova - Product: Linear 80BXD - Architect: Vladimir Pinzaru (Arhform)



Project: Marknesse National Air - and Space Center, Marknesse, The Netherlands - Product: Linear 84R - Architect: Inbo Architecten

KEY FEATURES

- Panel width 84 mm, joint 16 mm
- Panel length: 800 mm up to 6000 mm
- Panel depth 15 mm
- Square edge design (84B and 84C) or rounded edges (84R)
- Curved carrier application available (84B and 84R)
- Curved panel application available (84R)
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

Production by Hunter Douglas Ceiling Center

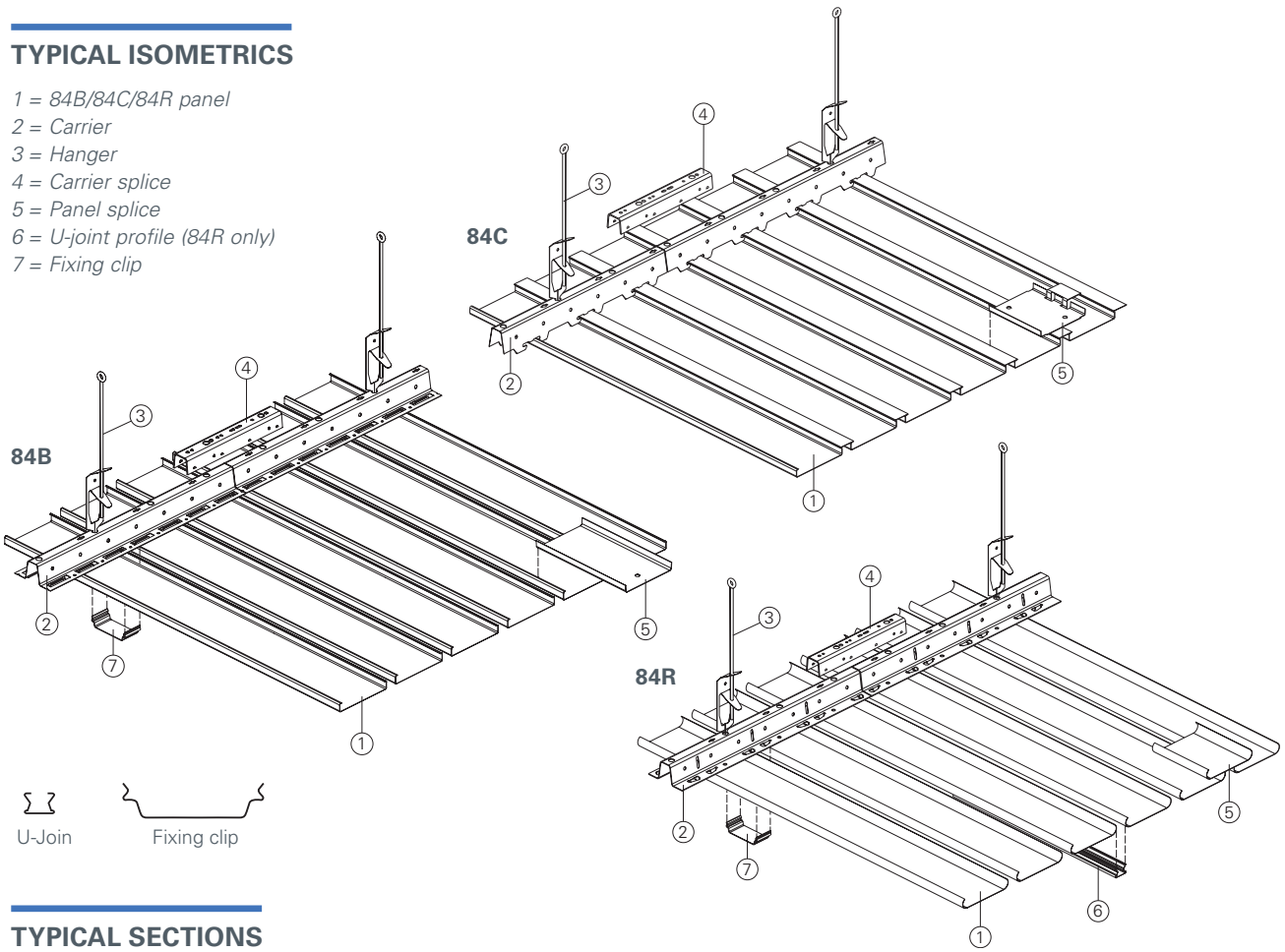
EN 13964
E1

A+

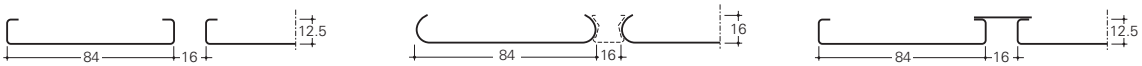
90%

TYPICAL ISOMETRICS

1 = 84B/84C/84R panel
2 = Carrier
3 = Hanger
4 = Carrier splice
5 = Panel splice
6 = U-joint profile (84R only)
7 = Fixing clip



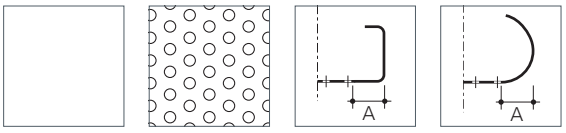
TYPICAL SECTIONS



84B *84R* *84C*

PERFORATION PATTERNS

Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 365-367 for acoustic information.

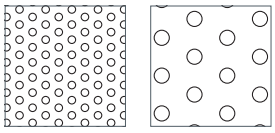


Plain

D1523
Ø 1.5 mm
⇳ 3 ⇔ 5.2
Openness 23%
(Only 84B and 84R)

Ø 1.5 mm:
A = 7 mm
84B

Ø 1.5 mm:
A = 7 mm
84R



D1023
Ø 1 mm
⇳ 2 ⇔ 3.46
Openness 23%
(Only 84C)

D2016
Ø 2 mm
⇳ 5 ⇔ 8.66
Openness 16%
(Only 84C)

PHYSICAL DATA



Plain: A2-s1,d0
Perf+NW: A2-s2,d0



D1523: α_W=0.75



Al: 2.2 - 2.5 kg/m²



0280: 65%



Plain: Class C
Perf+NW: Class B



Perf+NW



Plain

OPTIONAL



Colours:
See page 198



Curved solutions:
See page 206 (84R panel)
See page 210 (curved carriers)



Exterior solutions:
See page 246

COLOURS AND FINISHES

Hunter Douglas offers a wide choice of colours and finishes. Custom colour matching is available upon request. Please contact your local Hunter Douglas sales office for minimum quantities and lead times. See website for the most up to date information. Colours are for illustration purposes only.

STANDARD PAINT COLOURS (84B AND 84R)

COOL WHITES

0106
±RAL 9016

0181
±RAL 9003

CUSTOM COLOURS

WARM WHITES

0280
±RAL 9010

0581
±RAL 9001

NATURE TONES

1585

4648

1883
±RAL 9011

0735

METALS

7163

7007

7178

7008

WOOD TONES

8620
Pine

8612
Cedar

8610
Palisander

8616
Elm

8601
Oak

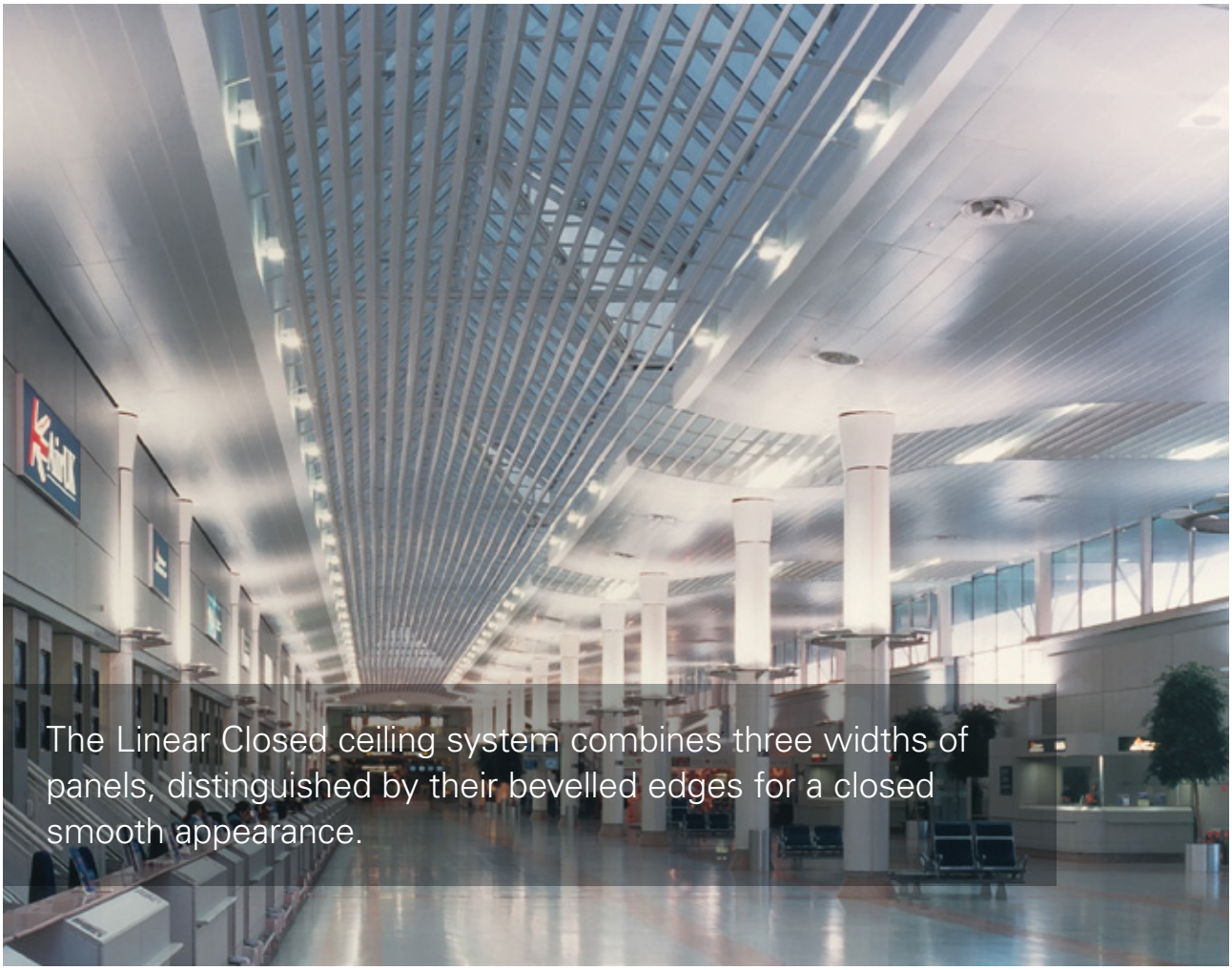
STANDARD PAINT COLOURS (84C)

0280
±RAL 9010

7163



Project: Vitesse Trainingscomplex Papendal, Arnhem, The Netherlands - Product: Linear 84B



Project: Jersey Airport, St Peter Channel Islands , United Kingdom - Product: Linear 225C - Architect: Ruddle Wilkinson

KEY FEATURES

- Panel widths: 75 mm, 150 mm and 225 mm
- Panel length: 800 mm up to 6000 mm
- Panel depth 15 mm
- Bevelled edge design
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

Production by Hunter Douglas Ceiling Center

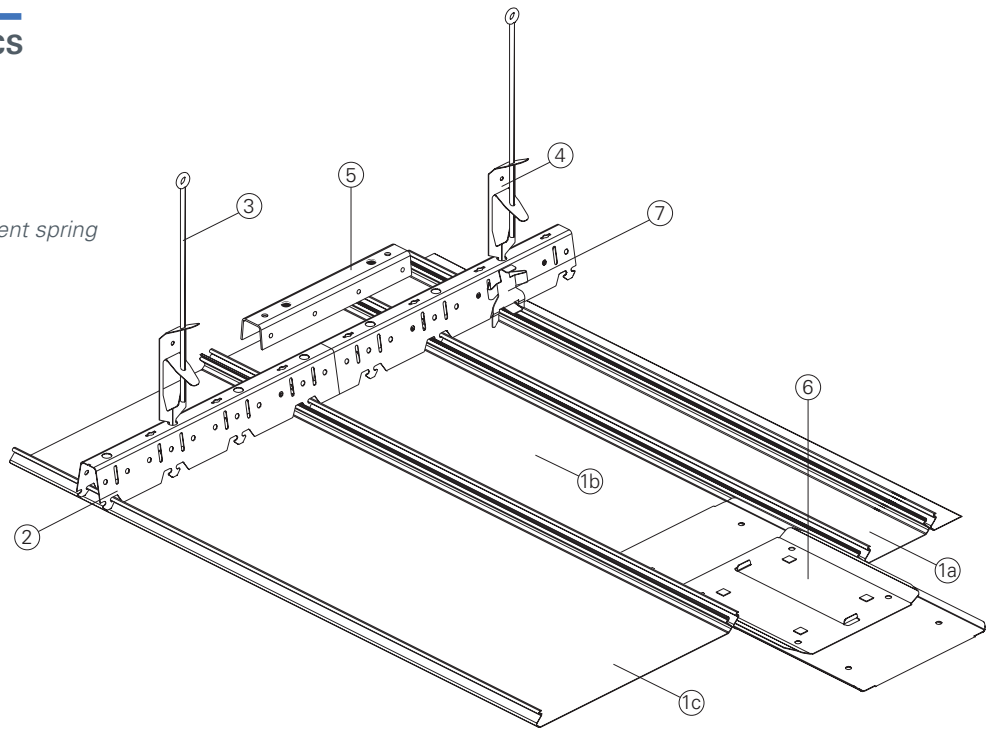
EN 13964
E1

A+

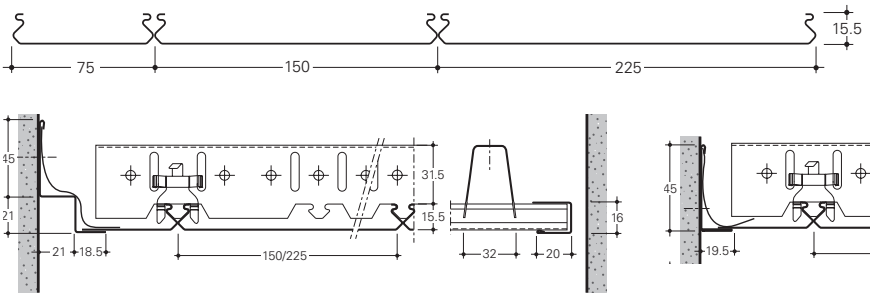
90%

TYPICAL ISOMETRICS

1a = Panel 75C
1b = Panel 150C
1c = Panel 225C
2 = Carrier
3 = Rod hanger
4 = Suspension adjustment spring
5 = Carrier splice
6 = Panel splice
7 = Adaptor clip



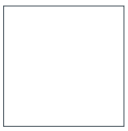
TYPICAL SECTIONS



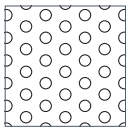
PERFORATION PATTERNS

Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 365-367 for acoustic information.

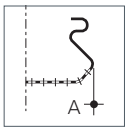
(Scale 3:5)



Plain



D1523
Ø 1.5 mm
⇳ 3 ⇔ 5.2
Openness 23%



Ø 1.5 mm:
A = 0 mm
75C/150C/225C

Perforation runs into the bevelled edge

PHYSICAL DATA



Plain: A2-s1,d0
Perf+NW: A2-s2,d0



D1523: α_w=0.75



Al: 2.6 kg/m²



0280: 65%



Plain: Class C
Perf+NW: Class B



Perf+NW



Plain

OPTIONAL



Colours:
See page 200



Exterior solutions:
See page 254

COLOURS AND FINISHES

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STANDARD PAINT COLOURS

COOL WHITES

0106
±RAL 9016

0181
±RAL 9003

WARM WHITES

0280
±RAL 9010

0581
±RAL 9001

NATURE TONES


1585


4648


1883
±RAL 9011

0735

METALS


7163


7007


7178


7008

WOOD TONES


8620
Pine


8612
Cedar


8610
Palisander


8616
Elm


8601
Oak

CUSTOM COLOURS



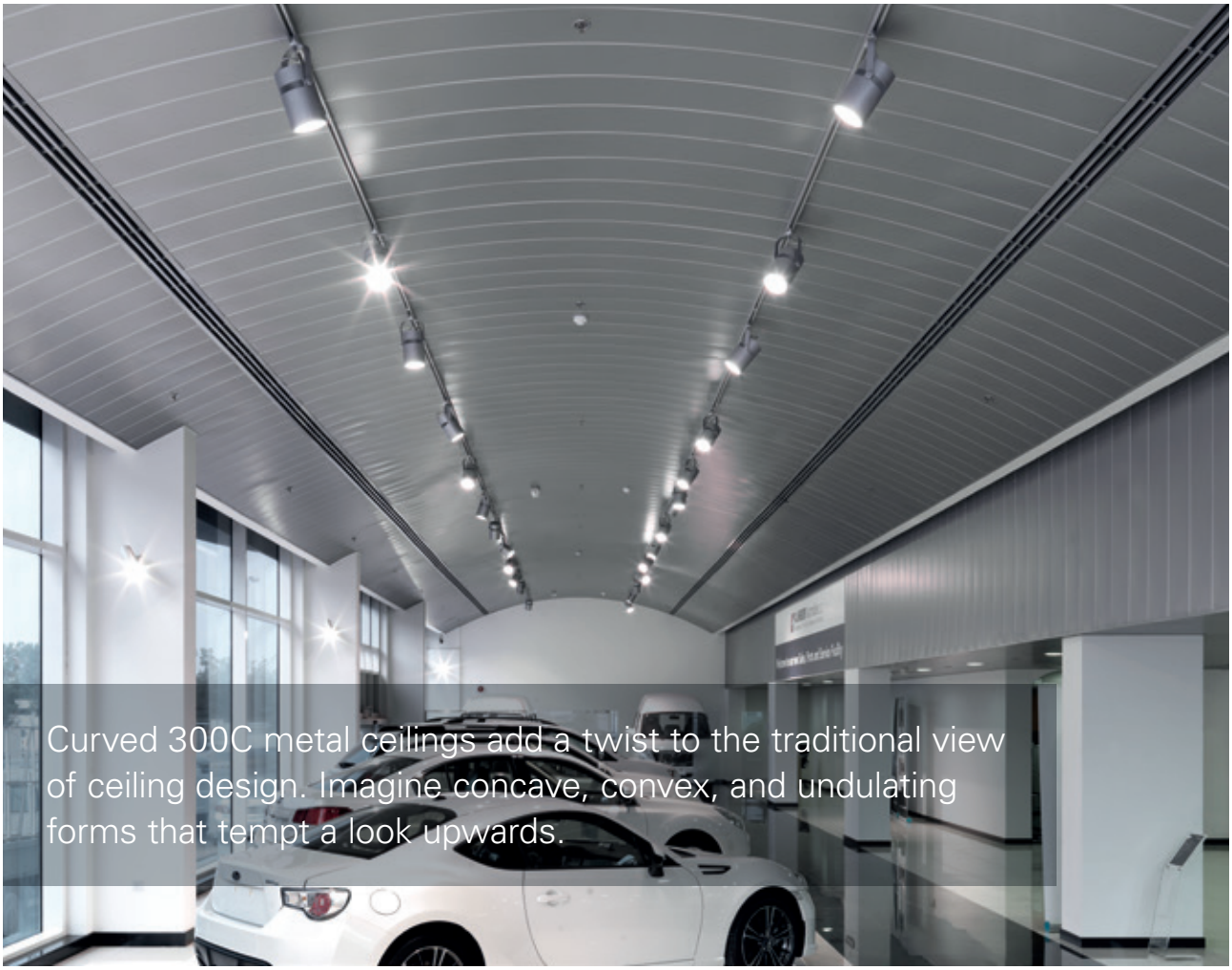
COLOUR AVAILABILITY PER PANEL

Colour	RAL/NCS	75C	150C	225C
0106	±9016	✓	✓	✓
0181	±9003	✓	✓	✓
0280	±9010	✓■	✓■	✓■
0581		✓		
0735		✓		
1585		✓	✓	
1883	±9011	✓	✓	✓
4648		✓		
7007		✓	✓	
7008		✓		
7163	±9006	✓■	✓■	✓■
7178		✓	✓	✓
Wood tones				
8601	Oak	✓		
8610	Palissander	✓		
8612	Cedar	✓		
8616	Elm	✓		
8620	Pine	✓		

■ *Available with 1,5 mm perforation*



Project: Dodoens Hospital, Mechelen, Belgium - Product: Linear 225C - Architect: Luyten Lens



Project: Al Khoory Automobiles Subaru, Madrid, Spain - Product: Curved 300C - Architect: Al Baha Consultants

KEY FEATURES

- Panel width: 300 mm
- Panel length: 1000 - 6000 mm
- Minimum radius for all shapes 1000 mm
- Panels in concave, convex or S-shape
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

Production by Hunter Douglas Ceiling Center

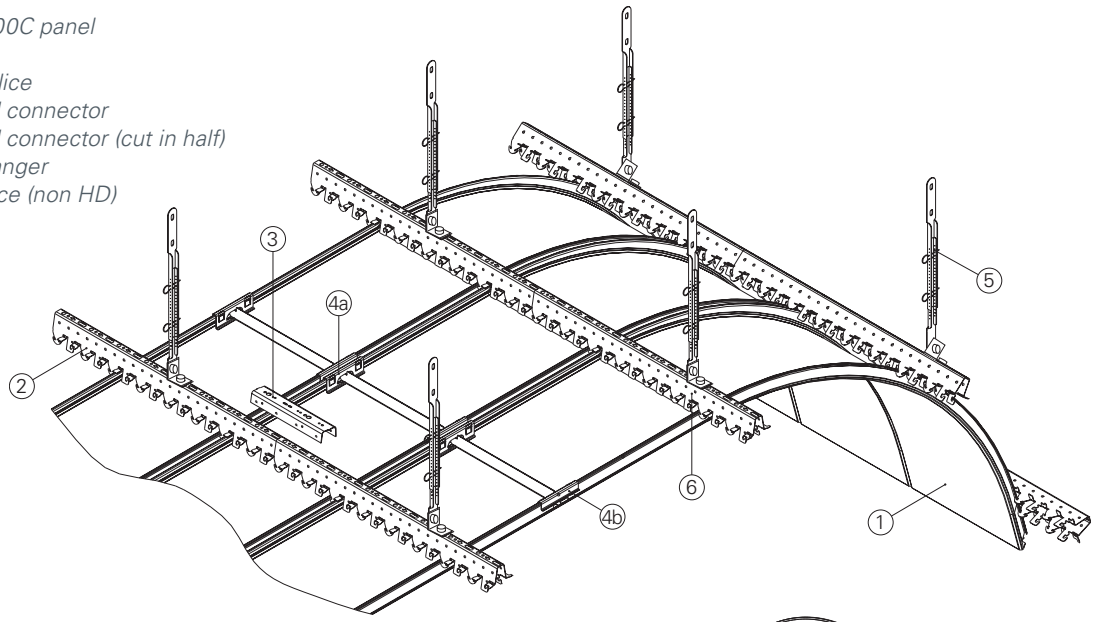
EN 13964
E1

A+

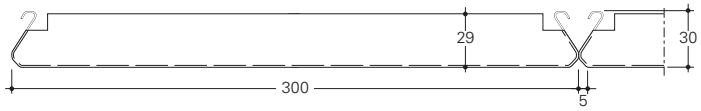
Fe : 17%
Al : 90%

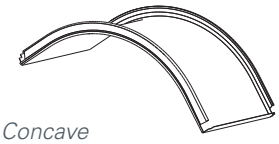
TYPICAL ISOMETRICS

1 = Curved 300C panel
2 = Carrier
3 = Carrier splice
4a = Panel end connector
4b = Panel end connector (cut in half)
5 = Nonius hanger
6 = Fixing piece (non HD)

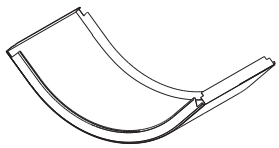


TYPICAL SECTIONS





Concave

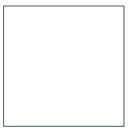


Convex

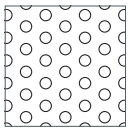
PERFORATION PATTERNS

Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 365 for acoustic information.

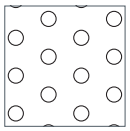
(Scale 1:3)



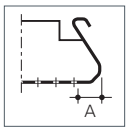
Plain



D1523
Ø 1.5 mm
⇳ 3 ⇔ 5.2
Openness 23%



D2016
Ø 2 mm
⇳ 5 ⇔ 8.66
Openness 16%



Ø 1.5 / 2.0 mm
A = 8.5 mm
300C

PHYSICAL DATA



Plain: A2-s1,d0
Perf+NW: A2-s1,d0



D1523 : α_W=0.75
D2016 : α_W=0.75



Al: 2.9 kg/m²
Fe: 7.3 kg/m²



0280: 65%



Plain: Class C
Perf+NW: Class B



Perf+NW



Plain

OPTIONAL



Colours:
See page 204



Exterior solutions:
See page 266

COLOURS AND FINISHES

Hunter Douglas offers a wide choice of colours and finishes. Custom colour matching is available upon request. Please contact your local Hunter Douglas sales office for minimum quantities and lead times. See website for the most up to date information. Colours are for illustration purposes only.

STANDARD PAINT COLOURS

COOL WHITES

0106
±RAL 9016

0181
±RAL 9003

WARM WHITES

0585

0684

0280
±RAL 9010

NATURE TONES


1585


4648


1883
±RAL 9011

0735

METALS


7163


7007

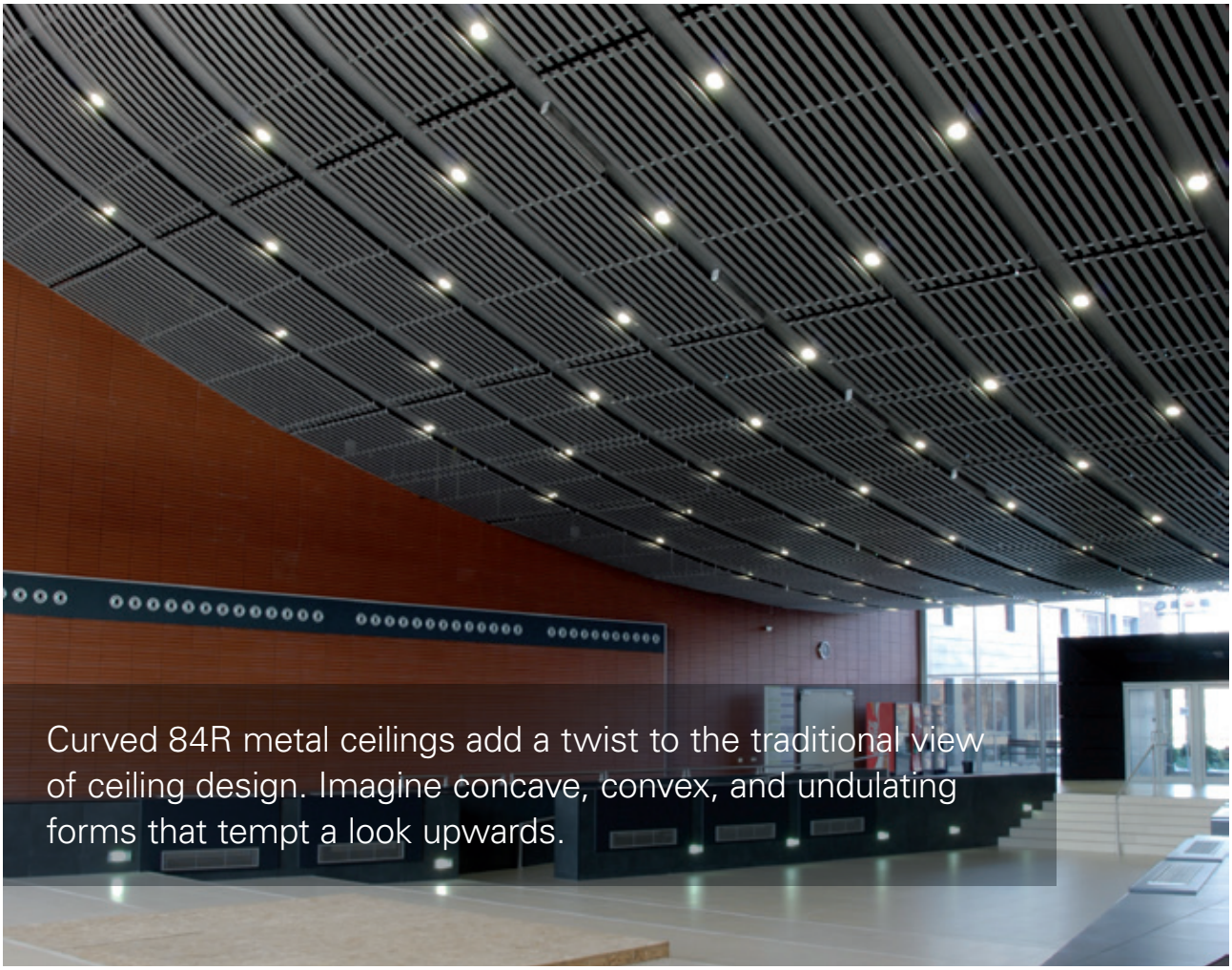

7178

CUSTOM COLOURS





Project: Brussels Airport Connector, Zaventem, Belgium - Product: Curved 300C - Architect: Joint Venture CTHM



Project: BME Q building, Budapest, Hungary - Product: Curved 84R - Architect: A&D Studio, Mr Antal Lázár

KEY FEATURES

- Panel width: 84 mm, joint 16 mm
- Panel length: 1000 - 6000 mm
- Fixed radius of 325 mm or variable radius with minimum of 1000 mm
- Panels in concave, convex or S-shape
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access
- Interior and exterior applications
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

Production by Hunter Douglas Ceiling Center

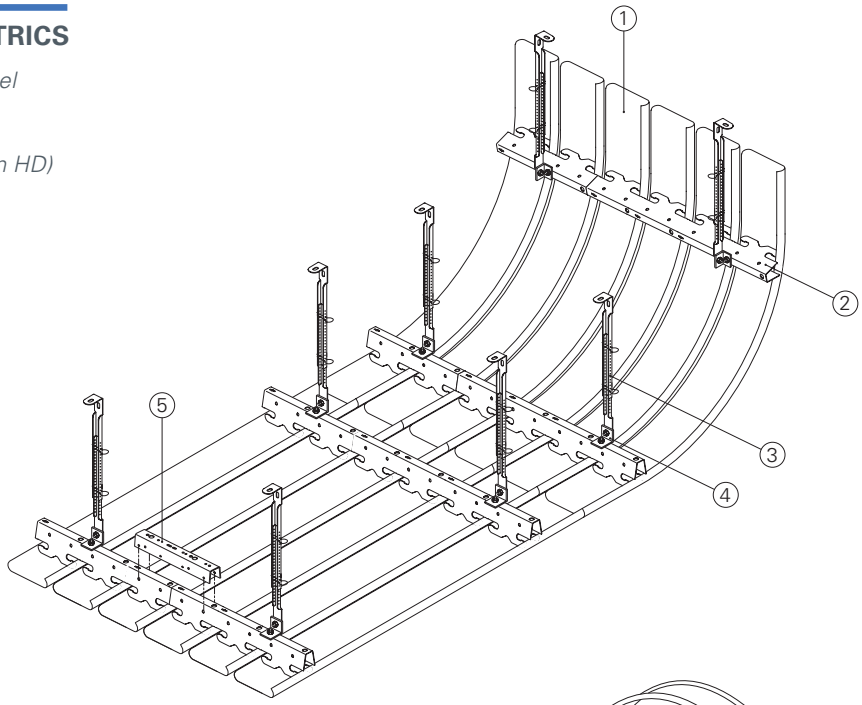
EN 13964
E1

A+

90%

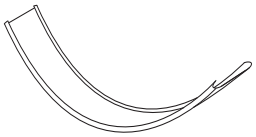
TYPICAL ISOMETRICS

1 = Curved 84R panel
2 = 84R carrier
3 = Nonius hanger
4 = Fixing piece (non HD)
5 = Carrier splice



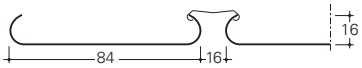


Concave



Convex

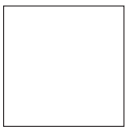
TYPICAL SECTIONS



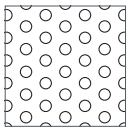
PERFORATION PATTERNS

Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 366 for acoustic information.

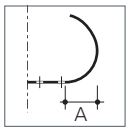
(Scale 3:5)



Plain



D1523
Ø 1.5 mm
⇳ 3 ⇔ 5.2
Openness 23%



Ø 1.5 mm
A = ca. 7 mm
84R

PHYSICAL DATA



Plain: A2-s1,d0
Perf+NW: A2-s2,d0



D1523 : α_W=0.75



Al: 2.5 kg/m²



0280: 65%



Plain: Class C
Perf+NW: Class B



Perf+NW



Plain

OPTIONAL



Colours:
See page 208



Exterior solutions:
See page 246

COLOURS AND FINISHES

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STANDARD PAINT COLOURS

COOL WHITES

0106
±RAL 9016

0181
±RAL 9003

CUSTOM COLOURS



WARM WHITES

0684

0280
±RAL 9010

0581
±RAL 9001

NATURE TONES


1585


4648


1883
±RAL 9011

0735

METALS


7163


7007


7178


7008

WOOD TONES


8620
Pine


8612
Cedar

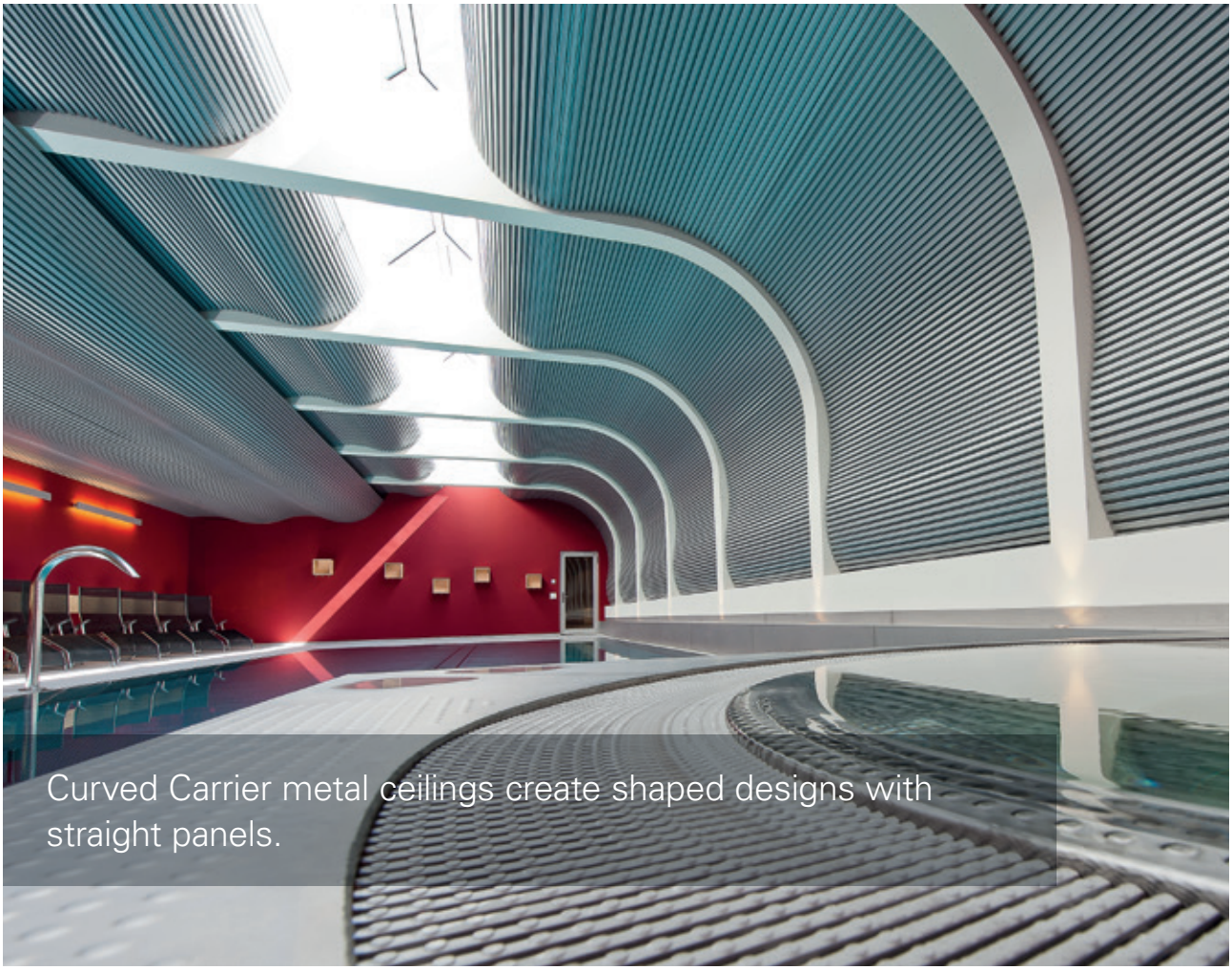

8610
Palisander


8616
Elm


8601
Oak



Project: Dubai Mall, Burj Dubai, United Arab Emirates - Product: Curved 84R - Architect: DP Architects PTE Ltd



Curved Carrier metal ceilings create shaped designs with straight panels.

Project: Hotel Ambassador, Zermatt , Switzerland - Product: Linear 30BD Curved Carrier - Architect: Vogel Architekten

KEY FEATURES

- Panel width: 300 mm or 100 mm module
- Panel length: 800 - 6000 mm
- Segmented carrier: minium radius convex 5 m, concave 2 m
- Flexible carrier: minimum radius convex 600 mm, concave 400 mm (depends on panel type)
- Ceilings in concave, convex or ondulating
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access
- Interior and exterior applications
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

Production by Hunter Douglas Ceiling Center

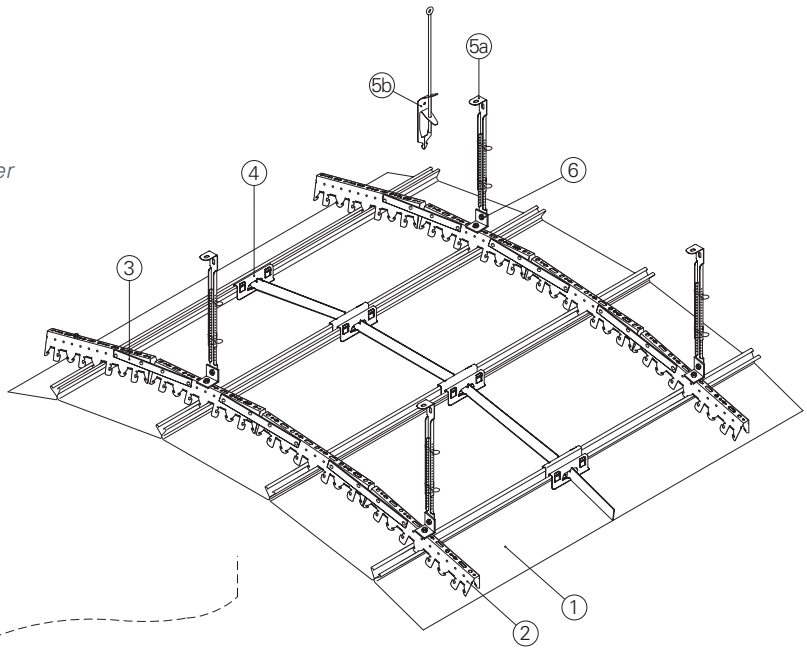
EN 13964
E1

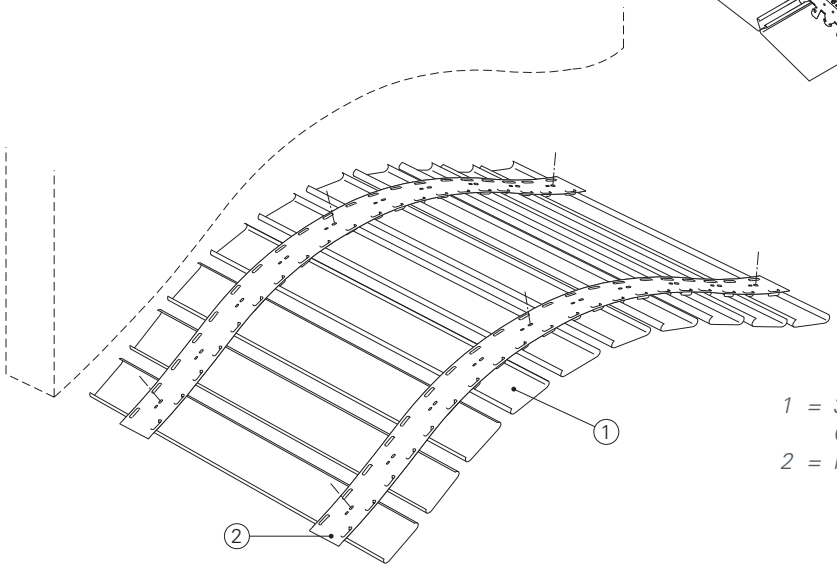
A+

Fe : 17%
Al : 90%

TYPICAL ISOMETRICS

1 = 300C panel, straight
2 = 300C carrier, segmented
3 = Connecting strips segmented carrier
4 = 300C alignment bracket
5a= Nonius hanger
5b= Rod hanger
6 = Fixing piece (non HD)

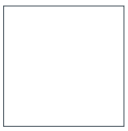




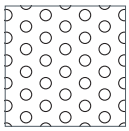
1 = 30B-180B, 84B, 84R, 70U Ceiling panel, straight
2 = Flex carrier

PERFORATION PATTERNS

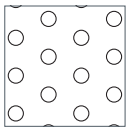
Standard patterns shown. See page 358 for all perforation patterns.
Scale shown: 1:1, unless otherwise noted. See page 365-367 for acoustic information.



Plain



D1523
Ø 1.5 mm
⇳ 3 ⇿ 5.2
Openness 23%



D2016 *(300C Only)*
Ø 2 mm
⇳ 5 ⇿ 8.66
Openness 16%

PHYSICAL DATA

Plain: A2-s1,d0
Perf+NW: A2-s2,d0

Al: 2.5 kg/m²

0280: 65%

D1523 : α_w=0.75
D2016 : α_w=0.75

Plain: Class C
Perf+NW: Class B

Perf+NW

Plain

OPTIONAL

Colours:
See page 212

Exterior solutions
See page 246, 250 and 266

COLOURS AND FINISHES

Hunter Douglas offers a wide choice of colours and finishes. Custom colour matching is available upon request. Please contact your local Hunter Douglas sales office for minimum quantities and lead times. See website for the most up to date information. Colours are for illustration purposes only.

Please refer to the respective product pages for colour availability.



Project: Wroclaw Airport, Wroclaw, Poland - Product: Curved Carrier - Architects: JSK



Project: Primary school Vogelzang, Oostakker, The Netherlands
Architect: PLANOMATIC
Product: Stretch Metal Ceiling Exterior

PROJECT SOLUTIONS

At Hunter Douglas we are proud on the capabilities of our technical engineers. Their creative and technical skills are there to help you to deliver a ceiling system on even the most complex of building projects. Our knowledgeable consultants, BIM experts, and project engineers work on applications of every kind and will help design and specify sustainable materials, design integration of systems, and create a ceiling topography that gives every space its own personality.


Partenze
ITALIANkitchen



Project: Rome Fiumicino Airport Gate C, Rome, Italy
Architect: The Design Solution, AdR, SPEA Engineering and Studio Muzzi
Product: Custom Baffle ceiling



Project: Tesco Letňany Refit, Prague, Czechia
Architect: Chapman Taylor Prague
Product: Custom Baffle Ceiling



Project: Spoorzone Delft, The Netherlands
Product: Custom Baffle Ceiling
Architect: Benthem Crouwel Architects

PROJECT SOLUTIONS

ENTEL OFFICE BUILDING 220

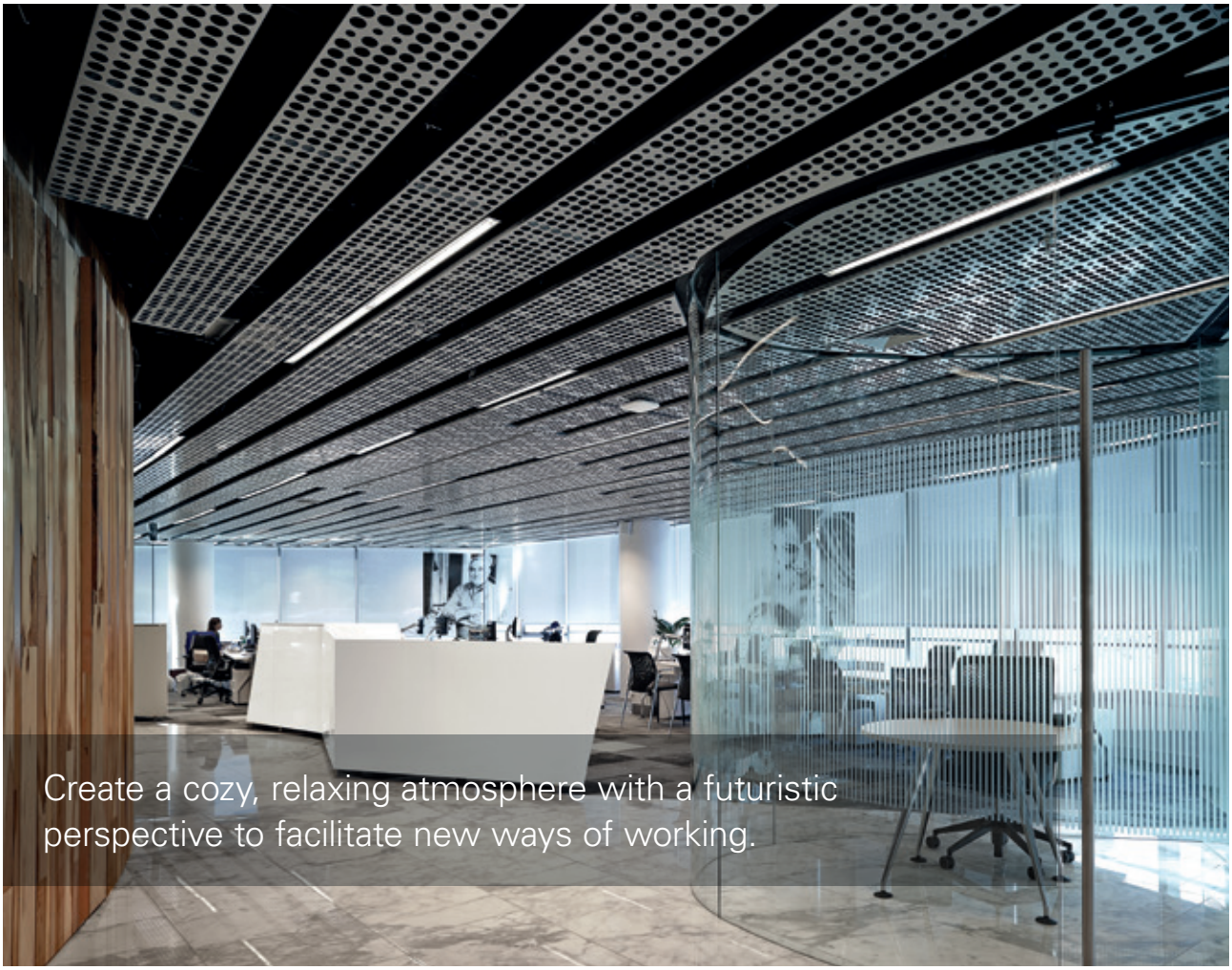
SPOORZONE DELFT 222

ROME FIUMICINO AIRPORT GATE C 224

DUTCH CHARITY LOTTERY 226

WROCLAVIA SHOPPING MALL 228

NORTH-SOUTH METROLINE 230



Project: Entel Office Building, Santiago, Chile - Product: Custom Wide Panel 300C/300L (Special perforation) - Architect: Sabbagh Architects

THE PROJECT

The design of a corporate building has a dual objective, represent the company's image today, and also the image it seeks to project into the future. It represents its present particular way of facing the world, its business culture; but also its future, that is, where it wants to go. In turn it must be understood and interpreted by both its regular users; part of the company, as the common public who come in for services.

In this sense, the great challenge was choosing the materials that would make up the design of the new corporate building of Entel and being able to create a cozy, relaxed atmosphere, to facilitate new ways of working. And at the same time transmit a modern high-tech image vanguard. Be sufficiently noble and essential to withstand the test of time and fashions.

The Wide Panel ceiling, in a modular width and variable length is ideal for applications in corridors, providing a monolithic look. It is a suitable metal indoor ceiling due to the system of profiles used in the installation. Perforated metal panels with acoustic fleece have a high sound absorption coefficient (α_w).

TAIM

EPD

cradle to cradle BRONZE

ISO 14001 SGS ISO 9001 SGS

Production by Hunter Douglas Ceiling Center

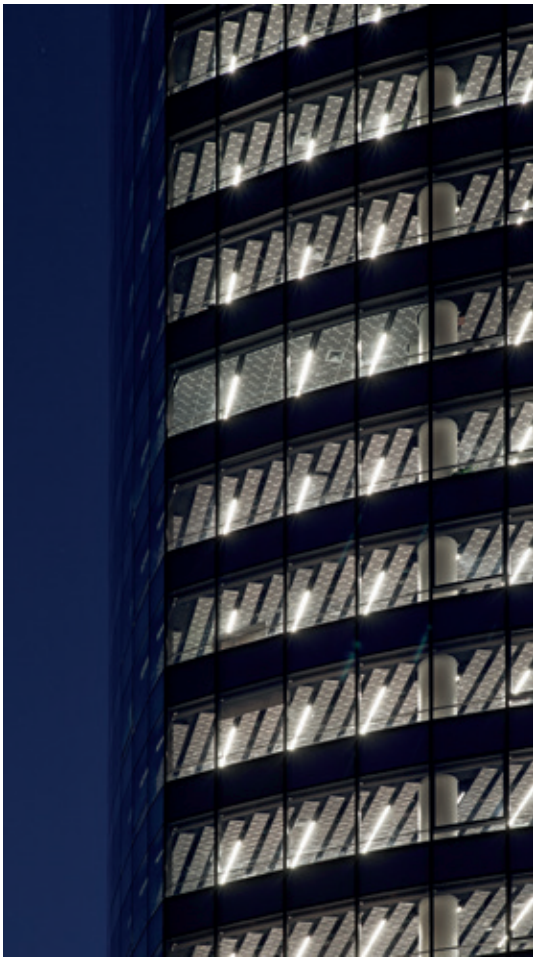
EN 13964
E1

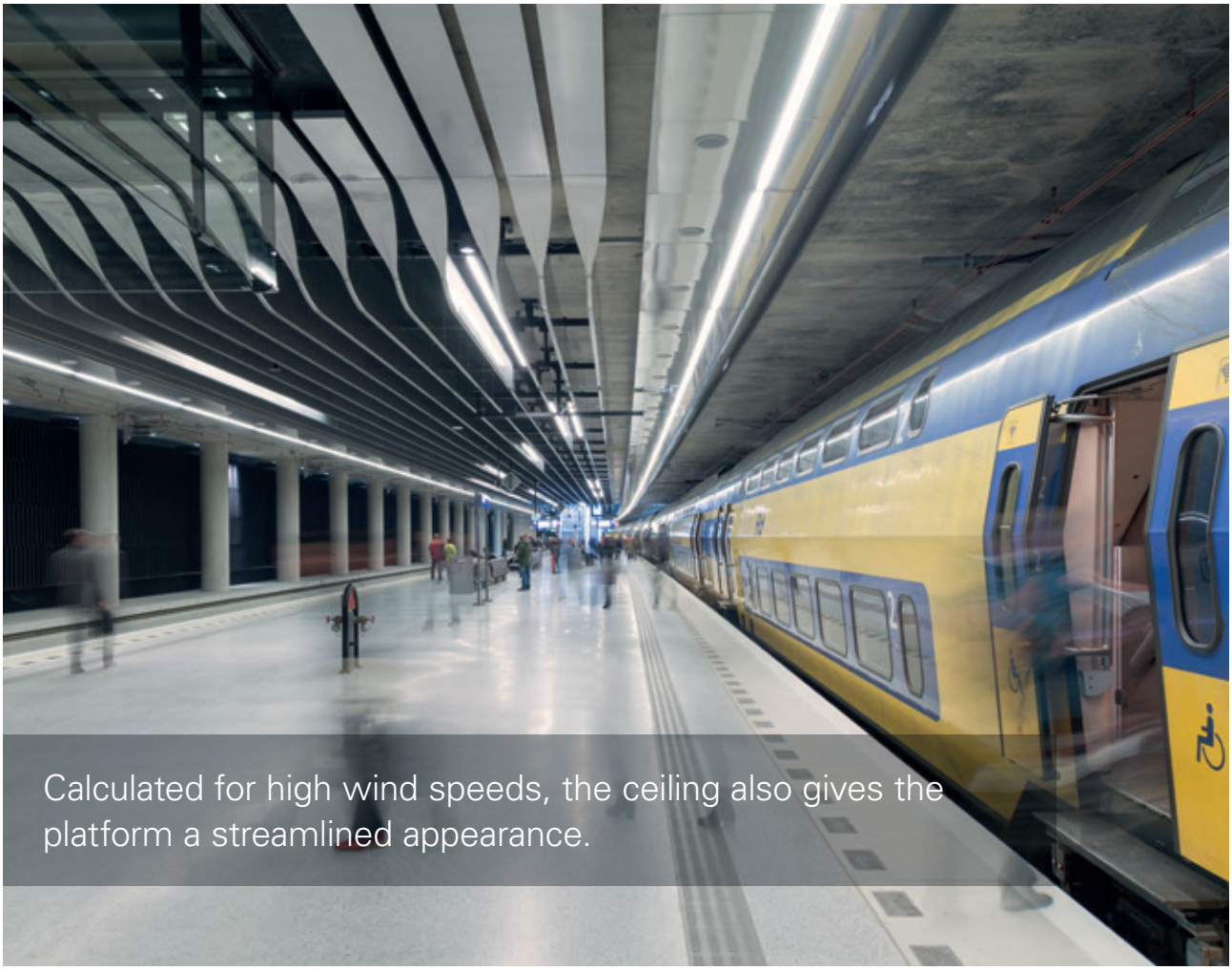
A+ A B C
A+

Fe : 17%
Al : 90%




A





Project: Spoorzone Delft, The Netherlands - Product: Custom Baffle ceiling Architect: Benthem Crouwel Architects

THE PROJECT

Hunter Douglas's expertise for complex projects is demonstrated in designing a logistically challenging - and eye-catching - ceiling for the platform in the new railway station in Delft, the Netherlands. Amsterdam's Benthem Crouwel Architects wanted the terminal to be uncluttered and well-lit and the design of the ceiling, particularly the baffles, played an integral role in this vision.



Combining hand-crafted and polished tapered baffles of extruded aluminium with a fixed, perforated baffle above the ceiling means optimal sound absorption and a reverberation time of less than one second. The baffles' exceptional light reflection, at 110 gloss units (2 layers), maximizes the output of the artificial lighting to be installed between the baffles.

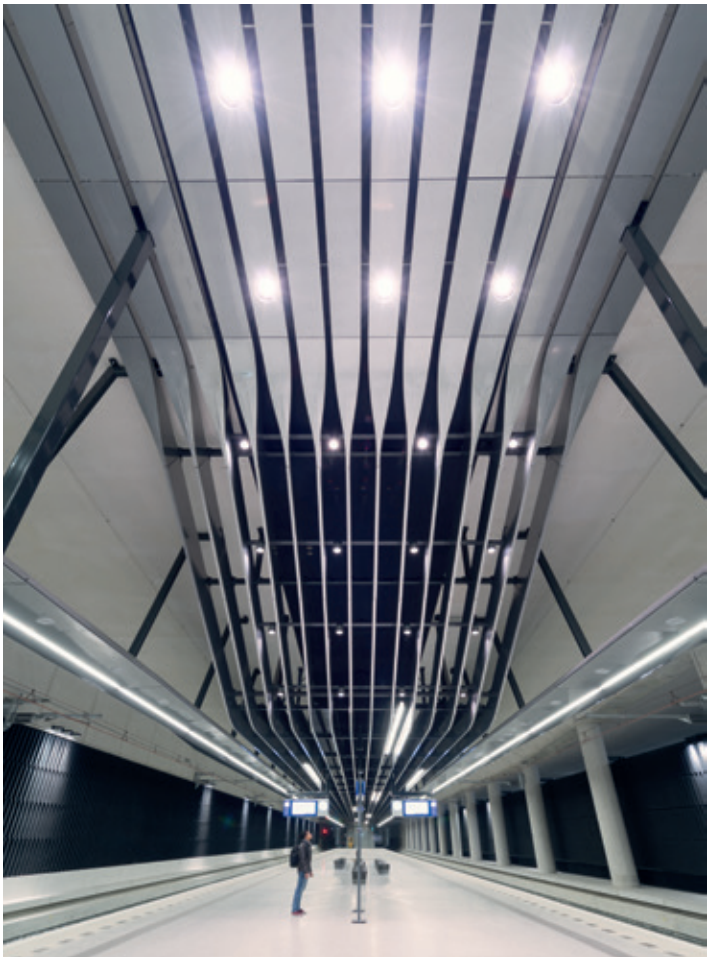
TAIM

EPD

EN 13964
E1

A+
A+ A B C

60%



A UNIQUE CUSTOM CEILING

The underground train station Delft is part of the complete redevelopment of the railway zone in Delft. The project includes among others a tunnel with underground station, parking facilities, new municipal offices, homes and offices, a park and water features. A unique ceiling which was realised by a close cooperation of Hunter Douglas and Benthem Crouwel Architects.







Project: Rome Fiumicino Airport Gate C, Rome, Italy - Product: Custom Baffle ceiling - Architect: The Design Solution, AdR, SPEA Engineering and Studio Muzzi

THE PROJECT

The refurbishment of Italy's Fiumicino airport in Rome has seen the design and specification of a vast sweeping ceiling canopy incorporating Hunter Douglas Architectural's Custom Baffle ceiling system. The ceiling canopy, which has been designed to let in great amounts of natural light, looks down on over 10.000 sqm of luxury retail outlets on the first floor and a 3.000 sqm Italian food and beverage street which also features Hunter Douglas Architectural's Custom Baffle system within the ceiling void.

Baffle ceilings are ideal for such environments creating atmosphere, increased spatial awareness and contribute to a highly efficient and comfortable acoustic environment. They have been specified on a number of major transport hubs around the world. Hunter Douglas Architectural experience with the Tavola™ Baffle ceiling has led us in designing this custom solution of a lightweight steel curved composite baffle. The convex and concave curved baffles emphasise the shape of the building. The opening in the ceiling flushes the space with natural daylight, crating a comfortable ambiance for the many travellers passing underneath.

EN 13964 E1

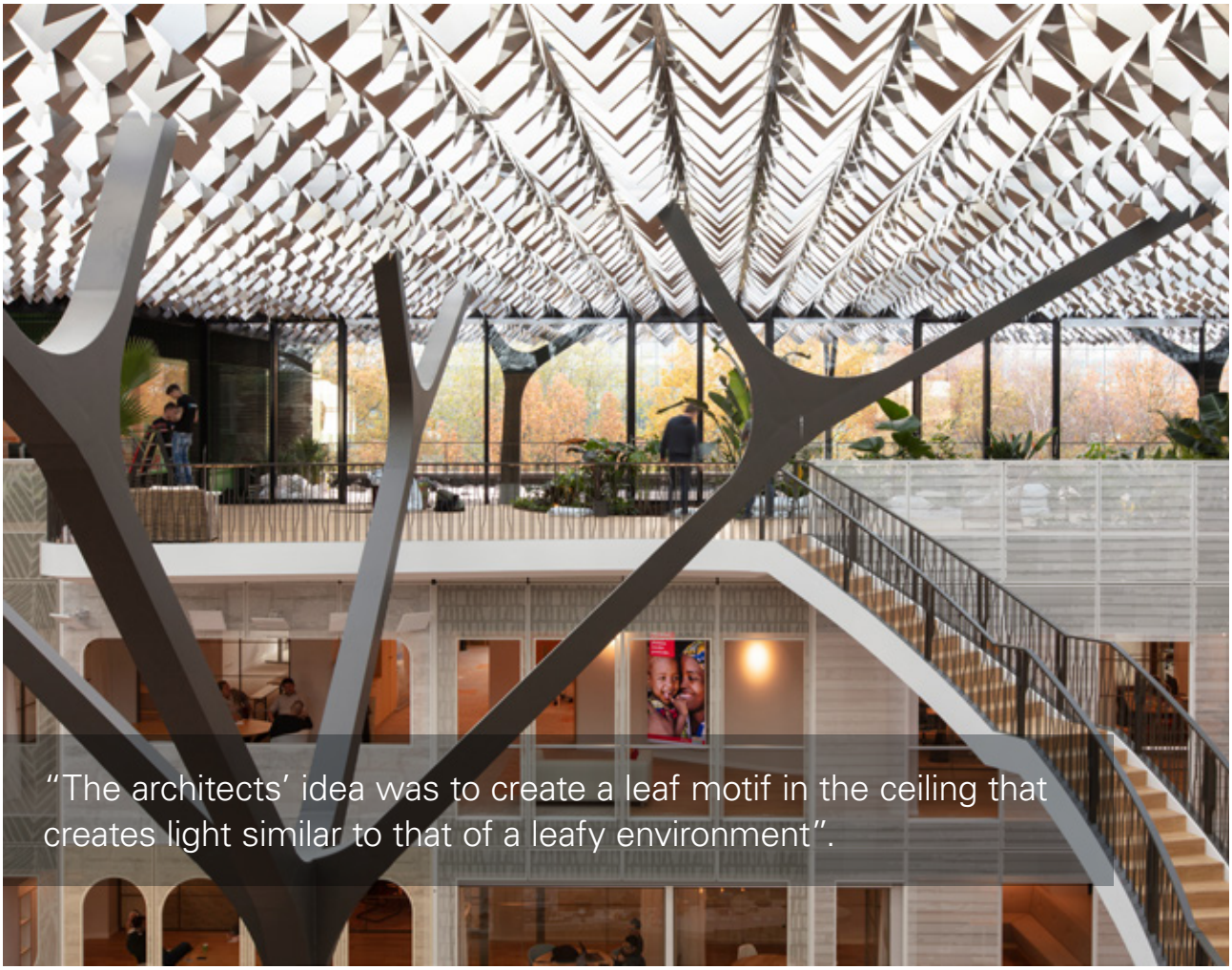
A+

60%









Project: Dutch Charity Lottery, Amsterdam, The Netherlands - Product: Custom Planks - Architect: Benthem Crouwel Architects

THE PROJECT

The offices of the Dutch Charity Lottery in the trendy Zuidas business district of Amsterdam are located in the most sustainably transformed office building in the Netherlands. The project was recently completed and has already gained iconic fame. The main reason is the striking leaf canopy that graces the atrium and forecourt at the entrance to the building. In addition to the eye-catching aesthetics, the canopy's architecture reveals high-quality technical innovations, developed by Hunter Douglas.

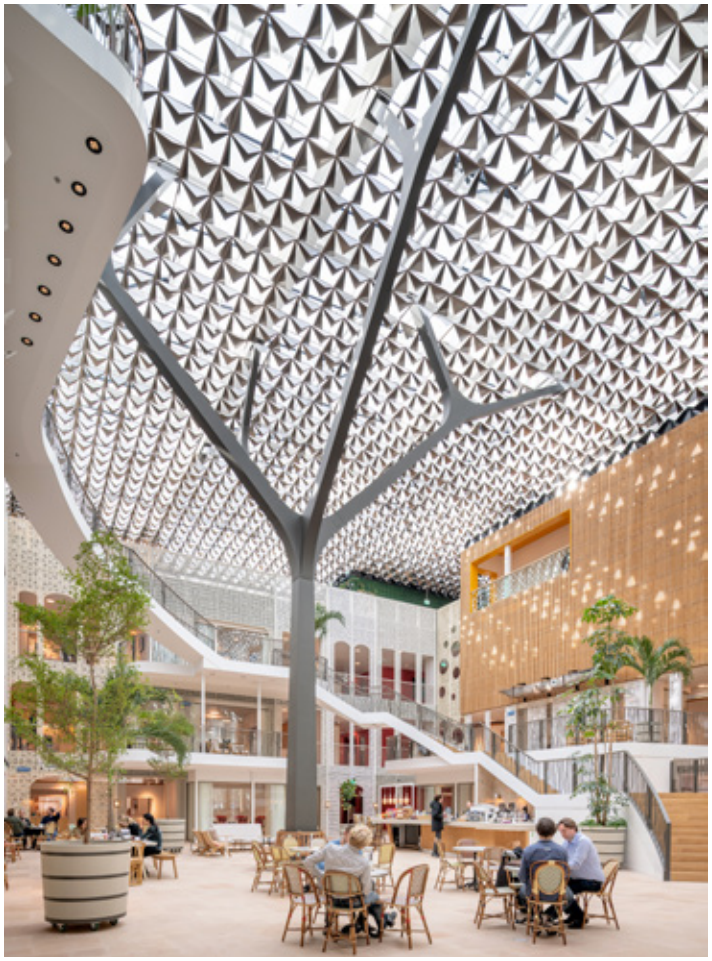
The office building was designed by architectural firm Benthem Crouwel of Amsterdam. Located on the Amsterdam's Beethovenstraat, the building has been awarded the highest possible sustainability label: BREEAM Outstanding. The certificate is related not just to the sustainability aspects of the design, but also to sustainable choices made during the construction process. The way in which the atrium and entrance ceiling were designed and installed is an important part of this. "The architects' idea was to create a leaf motif in the ceiling that filters light similar to that of a leafy environment". "Both inside and outside, the steel columns of the supporting structure have the irregular shapes of trees and branches. A canopy-like ceiling was the obvious next step. Hunter Douglas designed and produced a flat ceiling, using a total of 3,500 square meters of roof panels, and making sure the inside and outside panels had the same dimensions. The panels consist of tiles of 650 mm by 650 mm, fixed to an aluminium profile.

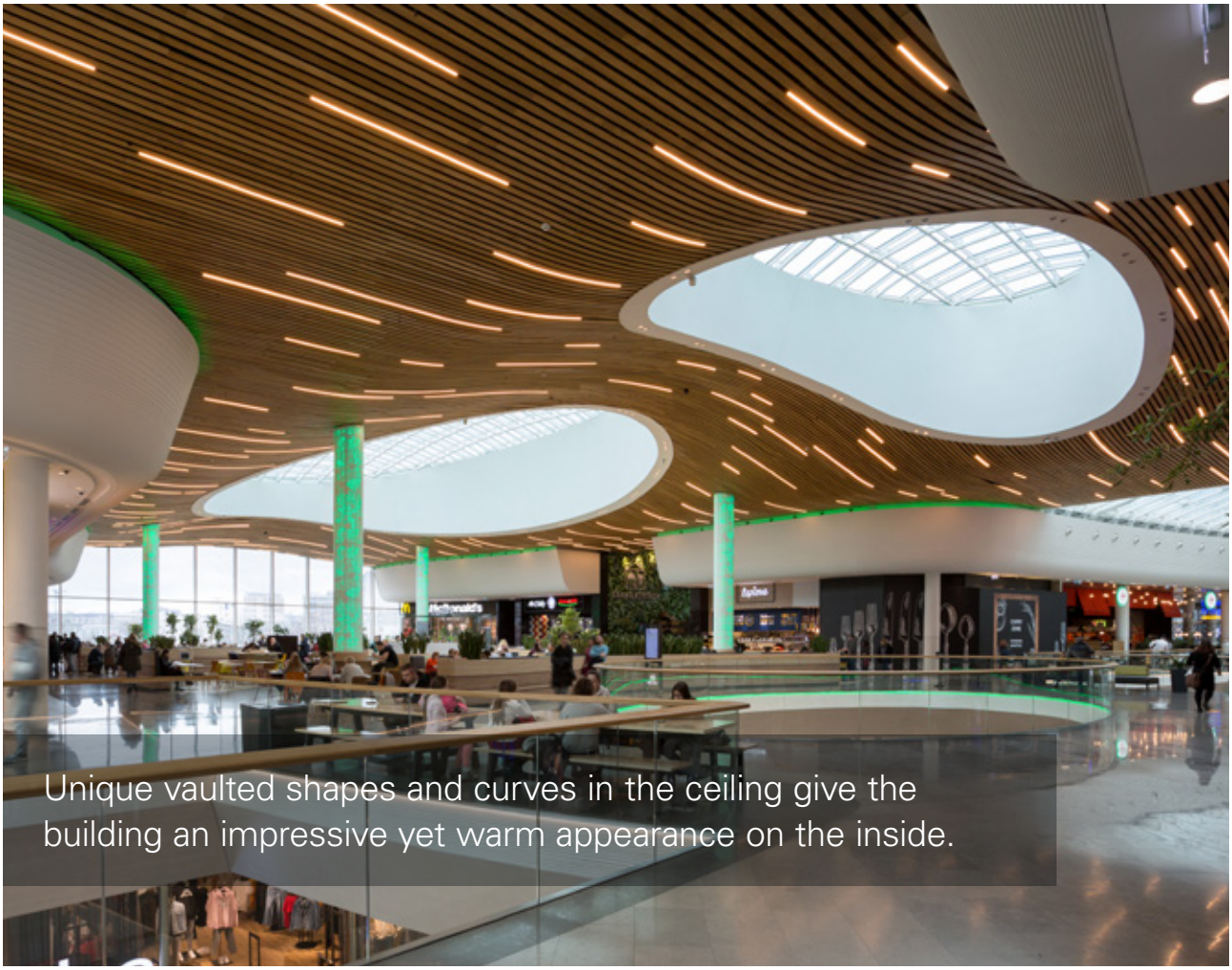


SPECIAL LIGHT

The design is based on four triangular leaves folded down in different angles. The sets of four leaves were fixed to the ceiling with 58 different types of mounts to form one big, complicated puzzle. The corners of the panels move like leaves. No two profiles are the same, which produces a very special kind of lighting.







Project: Wroclavia shopping mall, Wroclav, Poland - Product: Solid Wood Linear ceilings and walls, Veneered Wood Grill systems - Architect: IMD Asymetria

THE PROJECT

The Wroclavia Shopping Centre was recently completed in Wroclaw, Poland. This beautiful shopping center, developed by Unibail-Rodamco, has the solid wood linear system in which the wood slats are curved in a special way. This made unique vaulted shapes and curves in the ceiling possible, which give the building an impressive yet warm appearance on the inside. The veneered wooden grill ceiling system has also been installed in other areas of the shopping center and give the project a nice appearance en ambiance.

During the design and construction phase, everything was geared towards sustainability, using natural shapes and materials. From this principle, the architect IMD Asymetria created a unique and welcoming atmosphere, in which humans and their experience are the central focus.

A specially designed wooden ceiling runs through the entire shopping centre in an undulating motion following the contours of the shell. From the design vision, which required natural materials and shapes combined with a BREEAM certification, the solid wood linear naturally curved system was chosen. By making technical adjustments to the product itself and the support system, it's possible to shape the wood of the slats in a natural way.
Unlike standard curved ceilings and walls, where the slats are straight and the support system is curved, the curve in this implementation of the linear system comes directly from the wood itself. This adds an extra dimension with which very special organic and never-before-seen shapes can be achieved.

FSC
The mark is responsible forestry

PEFC
Promoting sustainable forest management www.pefc.org

EN 13964
E1

A+ A B C
A+

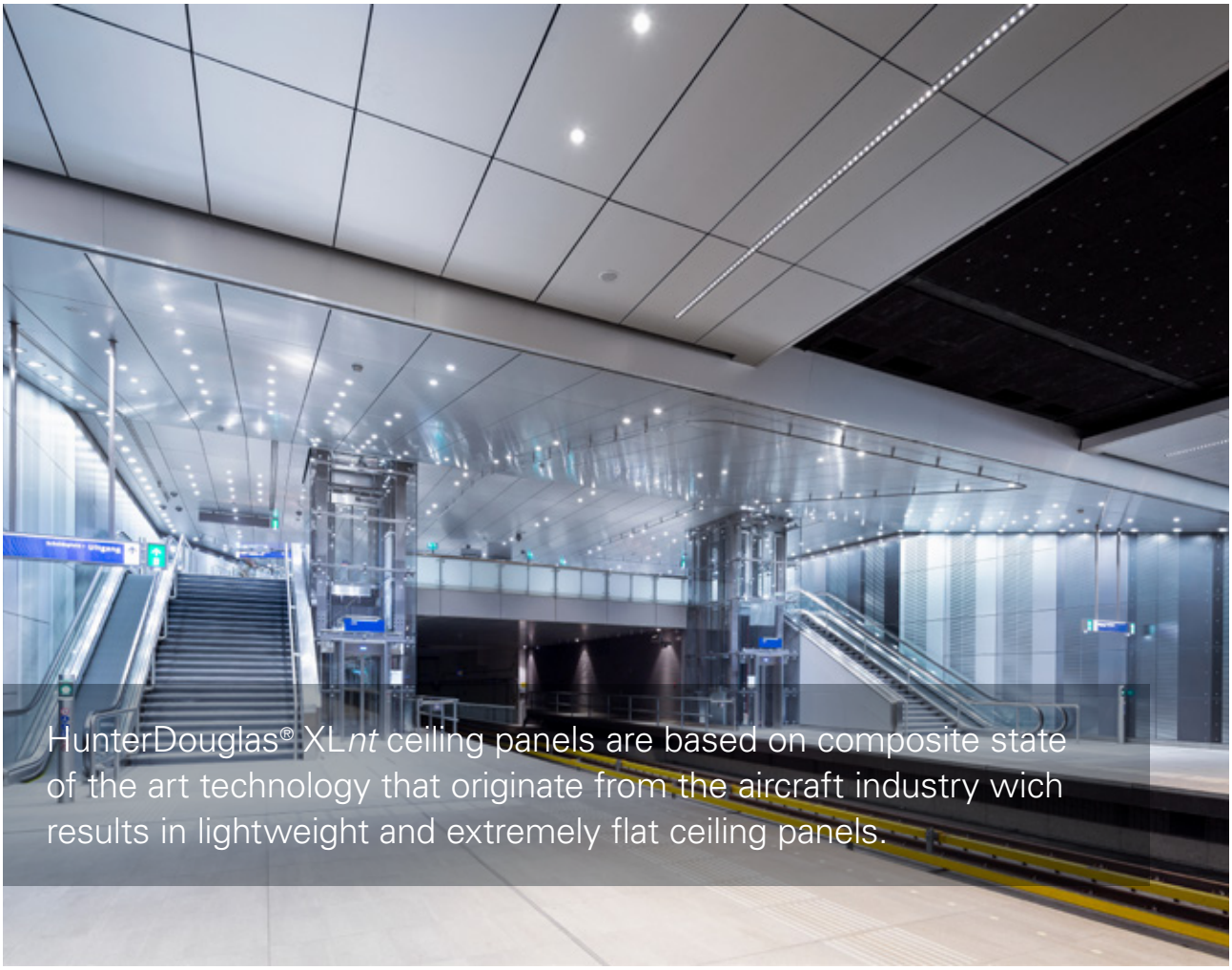
A UNIQUE CUSTOM CEILING

The solid wood linear system, with a C2C silver certification, is mounted on a special support system of rails and clips according to a fixed template. This fastening is located on the back of the system and is invisible. The linear system is especially suitable for spaces with acoustic requirements. Thanks to a wide range of wood types, system types, sizes and finishes, there are many possibilities for the construction of your ceiling or wall with the desired appearance.







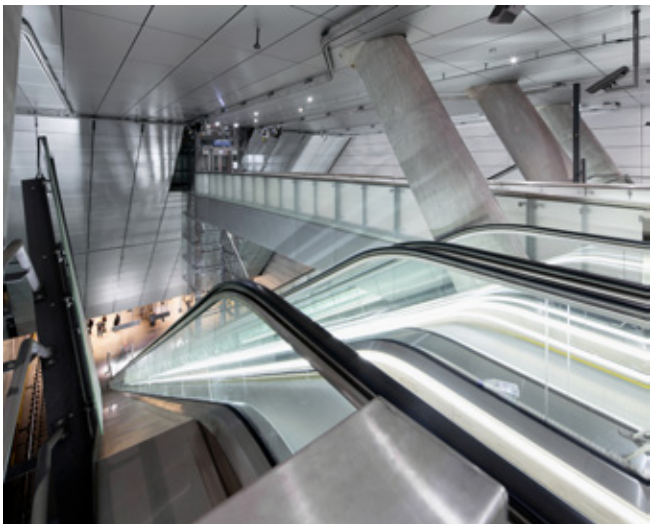


Project: North-South metroline, Amsterdam, The Netherlands - Product: XL Acoustic panels XLnt (Swing-Down) - Architect: Benthem Crouwel Architects

THE PROJECT

The Amsterdam metro North/South Line trajectory is constructed between the stations Amsterdam-Noord (North) and Amsterdam-Zuid (South). This required laying tubes beneath the historic central area of Amsterdam and erecting eight stations; three above ground and five below.

To get enough daylight in the underground areas, as is characteristic for all the underground stations, reflecting walls and ceilings are integrated in the design. Therefore Hunter Douglas created aluminium panels with a high reflective value of 82 percent. In order to improve the acoustics, the ceiling panels are perforated.



EN 13964 E1

A+ A B C A+

60%



OVERVIEW AND UNIFORMITY

The new interchange hall at Amsterdam Central station was one of the first parts of the North/ South Line that was put in use. The underground area is accessible via three different entrances at the station square. Passengers can change in this hall from/to the existing East Line, the new metro line, as well as the train station.

The ceiling in the interchange hall consists of uniform, rectangular panels of 180 x 90 cm, that are placed in the running direction. These large panels contribute to overview and uniformity, so the travellers can easily orientate themselves.







Project: North-South metroline, Amsterdam, The Netherlands - Product: XL Acoustic panels XLnt (Swing-Down) - Architect: Benthem Crouwel Architects


Lift
Lift



Project: Dutch Charity Lottery, Amsterdam, The Netherlands
Architect: Benthem Crouwel
Product: Custom Planks Exterior

EXTERIOR CEILINGS

Offering a wide range of design possibilities, exterior ceilings have been developed with the same appearance as the range of HunterDouglas® interior ceilings.




MINEPOLIS









Project : Kinepolis, Braine, Belgium
Architect: Espace architectes
Product : Exterior wide panel

"AN IMPRESSIVE ENTRANCE WITH A NEW AND MORE MODERN LOOK"

A popular cinema complex in a Belgium municipality has undergone an extensive transformation, with a high-performance Hunter Douglas Architectural exterior metal ceiling creating an impressive entrance.

Kinepolis was keen to update its 10-screen cinema theatre in Braine and as part of the modernisation, 600 m² of Luxalon® 300C exterior ceiling was specified. Ideally suited for large, open spaces, the 300C ceiling is made from lightweight, corrosion-resistant aluminium alloy, yet is extremely robust, having been tested for wind load resistance.

Paul Eeckhout, of Kinepolis, said the cinema chain had used Hunter Douglas products in previous locations and knew that it could rely on the quality and aesthetics.

"The main entrance and the look of the complex were outdated. In order to create a new and more modern look to the building, the decision was taken to add a pentroof," he said.

"This also increases the comfort of our visitors, as it acts like a rain shelter. It was also designed to have lights placed randomly in the ceiling, creating a 'stars' sky. The collaboration with Hunter Douglas was excellent, with technical support on issues such as wind stability provided."



Project: NCIA (NATO), The Hague, The Netherlands
Architect: MVSA Architecten
Product: Beta Safety-Loop Exterior



Project: Red Apple, Rotterdam, The Netherlands
Architect: KCAP Architecten Planners
Product: 300C Exterior Ceiling

EXTERIOR CEILINGS

SOLID WOOD 240

LINEAR PANEL 70U/84R 246

MULTIPANEL 250

LINEAR CLOSED 254

LINEAR PANEL 150F/200F 258

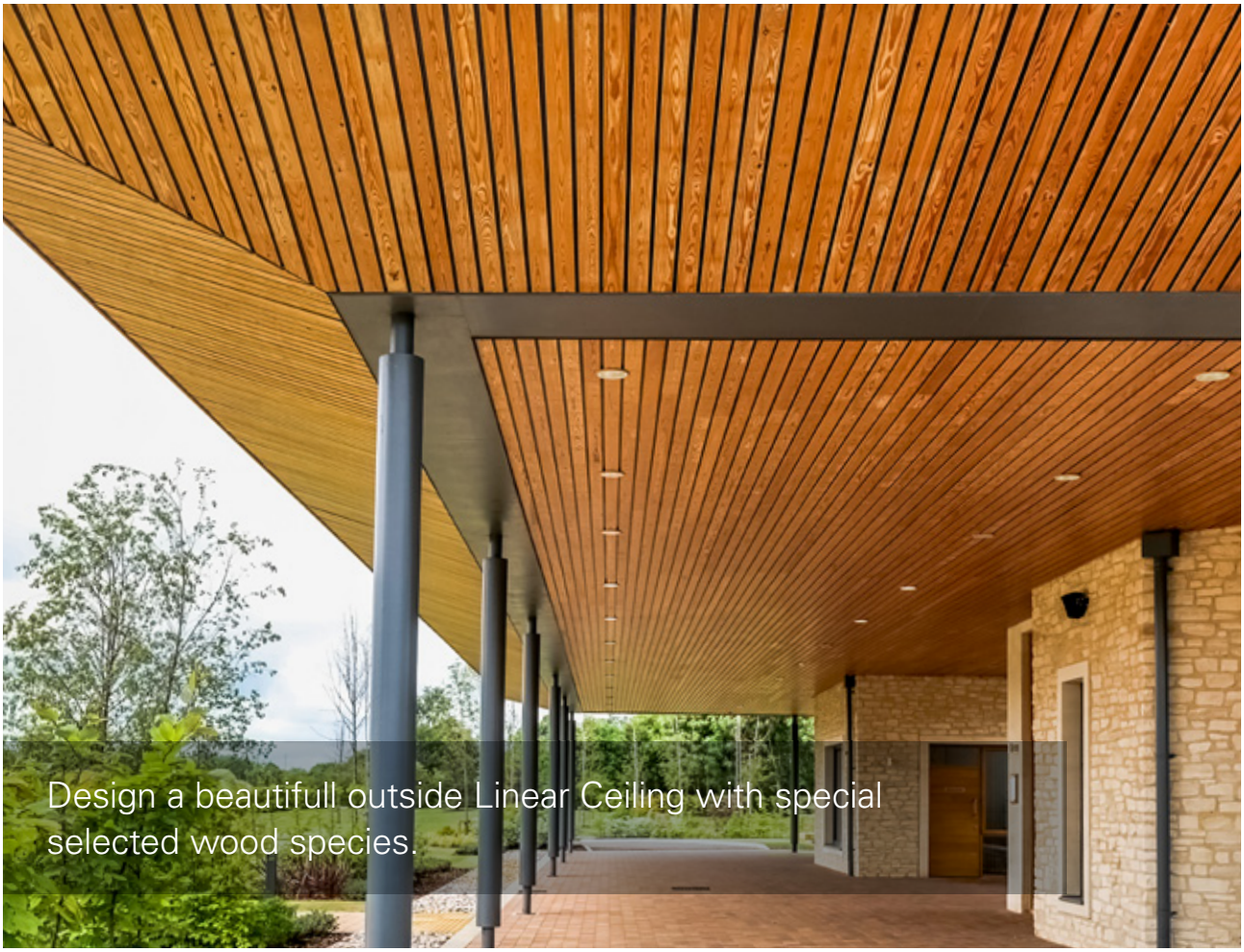
BAFFLES V100 262

WIDE PANEL 300C/300L 266

PLANKS BETA SAFETY-LOOP 270

STRETCH METAL HOOK-ON SAFETY-LOOP 274

SUSPENSION SYSTEM PROFIX™ 278



Project: Crematorium, Aylesbury, United Kingdom - Product: Solid Wood Linear, Exterior - Architect: na

KEY FEATURES

- Exterior applications
- Two outside ceilings solutions: Linear open & Multi-panel system
- Panel widths from 70 mm until 116 mm, depending per wood specie
- Mixed length with a minimum of 900 mm, manufactured inclusive tongue and groove connection. Fixed lengths on request
- Panel thickness from 15 mm up to 20 mm
- Available in different modules and joint width
- For outside application the joint between the panel will be covered with a special Ultra Fiber black glued and stapled
- With the multi-panel system various widths can be combined to create a dynamic look and feel
- Other sizes are available upon request
- Quick and invisible mounting according to a fixed pattern due to the specially developed fixing method
- Budgetary flexibility due over 13 wood species within various price categories
- High-quality finishing specially for outside apllication against moisture, dust and dirt. Transparent or wide range of colours available
- Curved and undulating shapes possible
- Compatible with industry standard lighting, HVAC, speaker, fire safety and security services
- Certified: FSC, PEFC, Cradle to Cradle silver
- Integral guarantee for support systems, wood, finish and fire retardance
- Contribution to obtaining credits within BREEAM and LEED

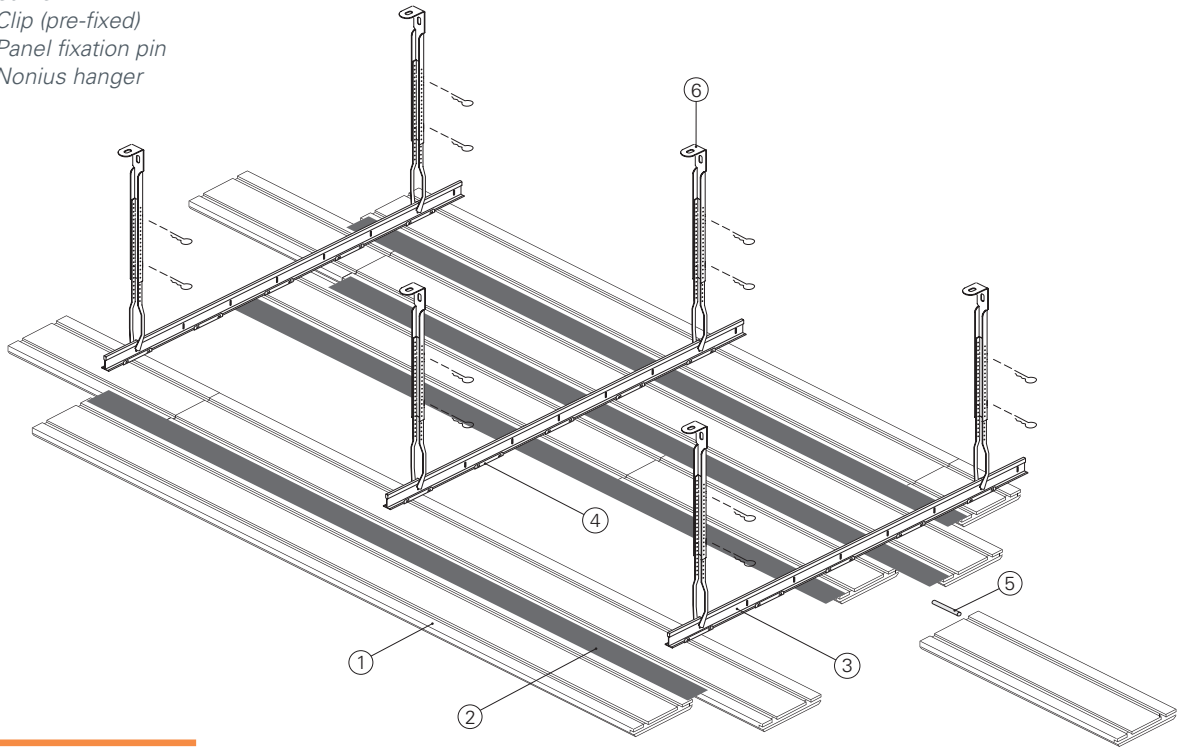
Produced and certified by Derako International

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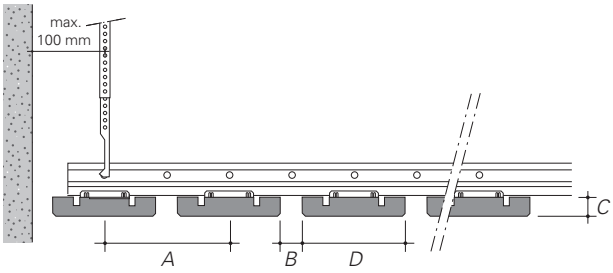
A+

TYPICAL ISOMETRICS

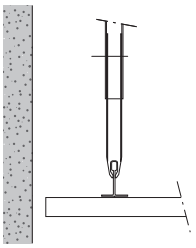
1 = Solid Wood Linear panel
2 = Pre-applied Ultra Fiber black
3 = Carrier
4 = Clip (pre-fixed)
5 = Panel fixation pin
6 = Nonius hanger



TYPICAL SECTIONS



A = Module
B = Joint
C = Panel thickness
D = Panel width



PHYSICAL DATA



B-s2,d0 According to EN 13501-1



5.0 - 12.0 kg/m²



Moist cloth

OPTIONAL



Acoustic cloth
Black



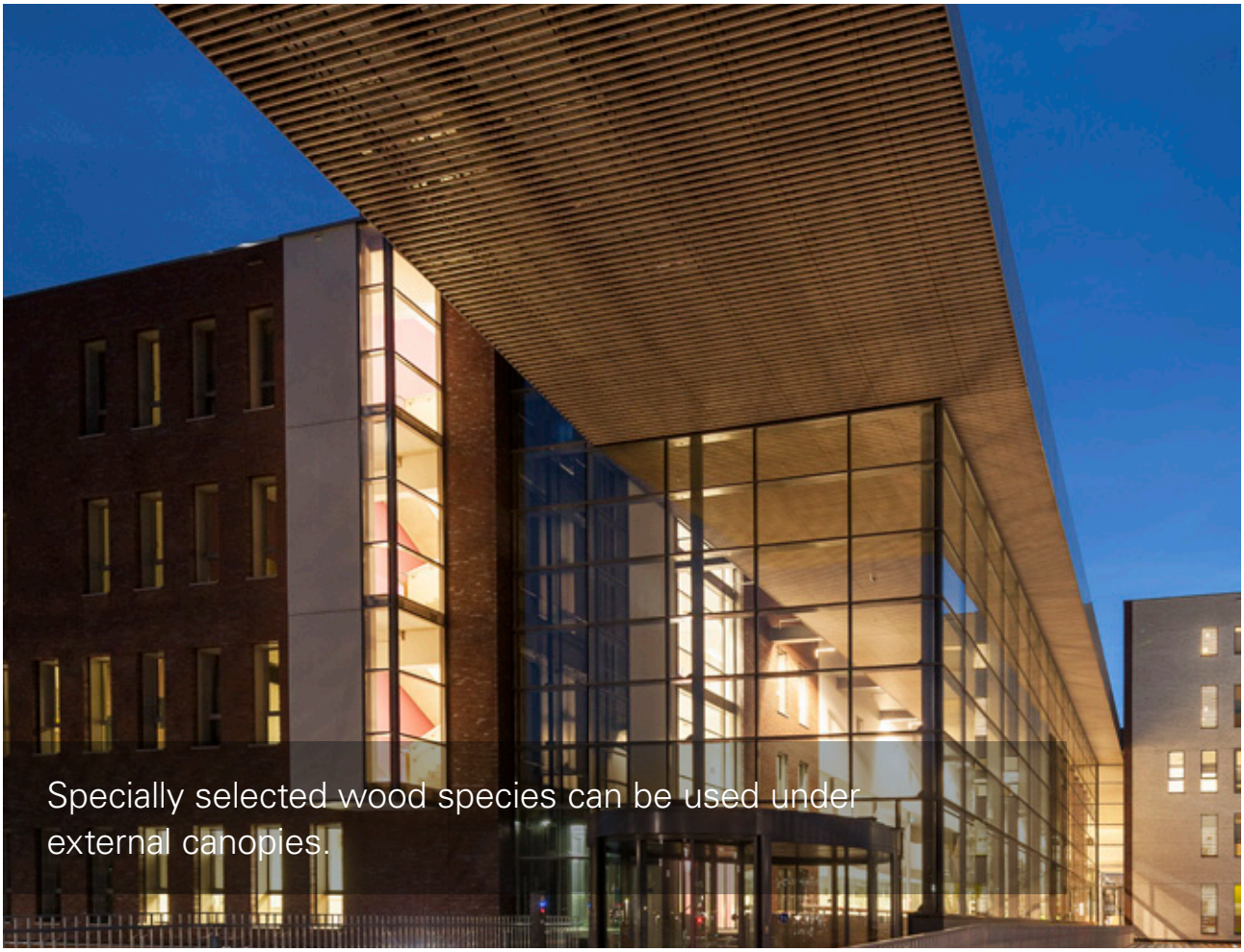


Colours:
See page 244





GRILL



Specially selected wood species can be used under external canopies.

Project: Meander Medical Center, Amersfoort, The Netherlands - Product: Solid Wood Grill, Exterior - Architect: Atelier Pro

KEY FEATURES

- Exterior applications
- Made to measure wooden ceiling solution. Design the sizes of the slats and the distance between the slats. Together this will form the Grill element
- The slat thickness can be between 15 mm and 35 mm, depending per wood specie.
- The slat height can be between 35 mm and 120 mm, depending per wood specie
- The distance between the slats can be 25 mm until 140 mm
- The length of the assembled grill elements will be determined by the structural conditions. This can vary between 590 mm and 3590 mm, depending on the available raw material
- The Grill element is available with 12 mm or 20 mm metal dowel. The standard colour is black, other colours are on request
- Easily and individually demountable
- Budgetary flexibility due over 13 wood species within various price categories
- High-quality finishing against moisture, dust and dirt. Transparent or wide range of colours available
- Curved, undulating and special shapes possible
- Compatible with industry standard lighting, HVAC, speaker, fire safety and security services
- Certified: FSC, PEFC, Cradle to Cradle silver
- Integral guarantee for support systems, wood, finish and fire retardance
- Contribution to obtaining credits within BREEAM and LEED

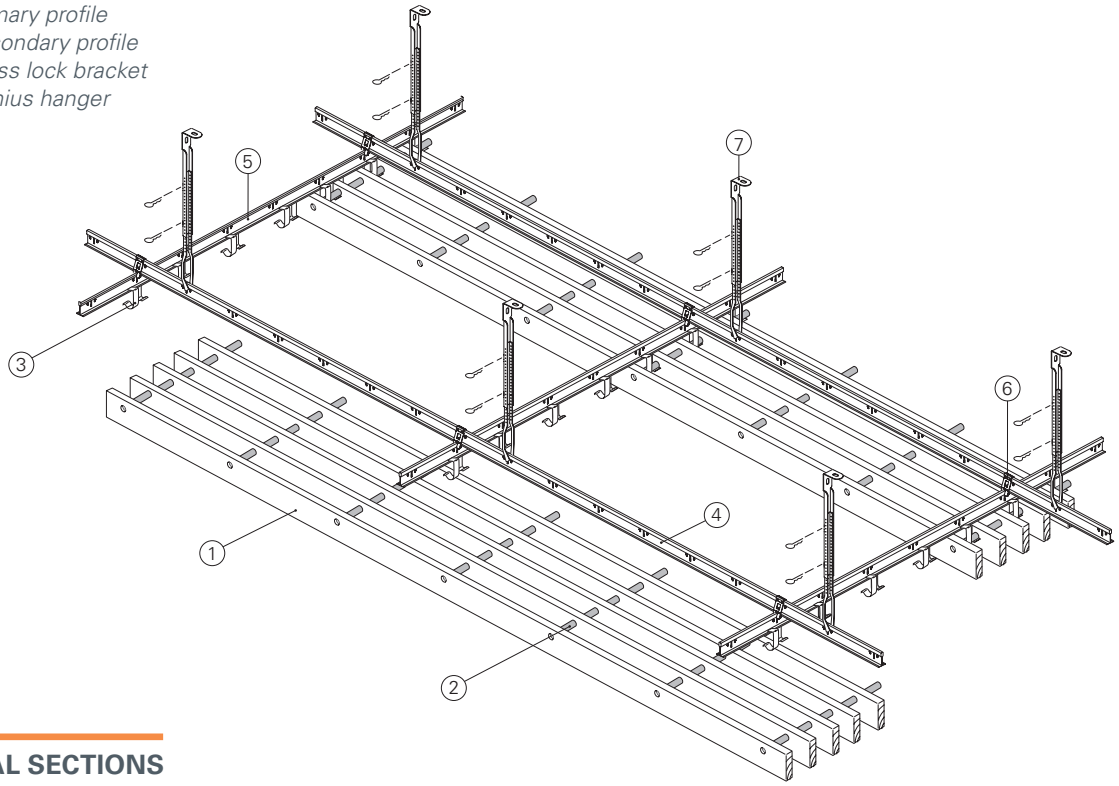
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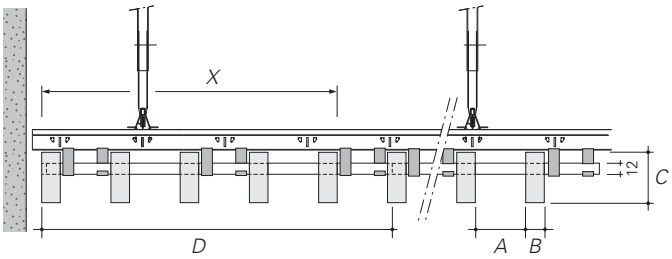
A+

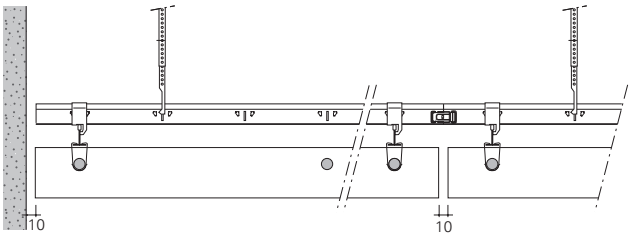
TYPICAL ISOMETRICS

1 = Solid Wood Grill Element
2 = Aluminium dowel
3 = Dowel clip
4 = Primary profile
5 = Secondary profile
6 = Cross lock bracket
7 = Nonius hanger



TYPICAL SECTIONS





A = Joint
B = Slat thickness
C = Slat height
D = Element width
X = Amount of slats

PHYSICAL DATA

B-s2,d0 According to EN 13501-1

6.0 - 15.0 kg/m²

Moist cloth

OPTIONAL

Acoustic cloth
Black

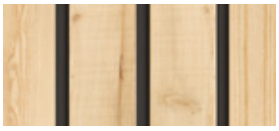
Colours:
See page 244

WOOD SPECIES AND FINISHES

An extensive range of wood species is available, ranging from deep warm colours to the light wood tones. Other types of wood possibilities can be looked at on request. Standard, the wood is finishes in a transparent varnish. Optionally a wide range of colour is available. The finish adds a nice touch to the wood with the natural tones and structures of the wood being maintained. For each application the right system coating is determined that is necessary to protect the wood.

WOOD SPECIES

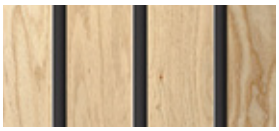

American White Oak


Siberian Larch

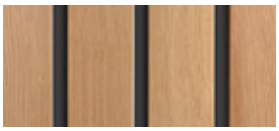

Yellow pine

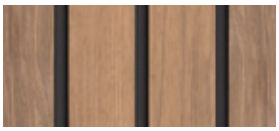

American Ash

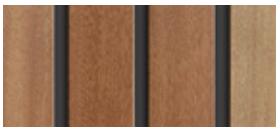

European Pine

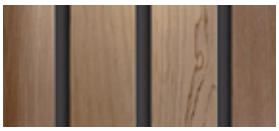

American Red Oak


European Oak

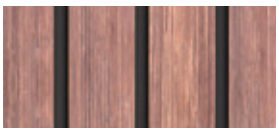

Oregon Pine

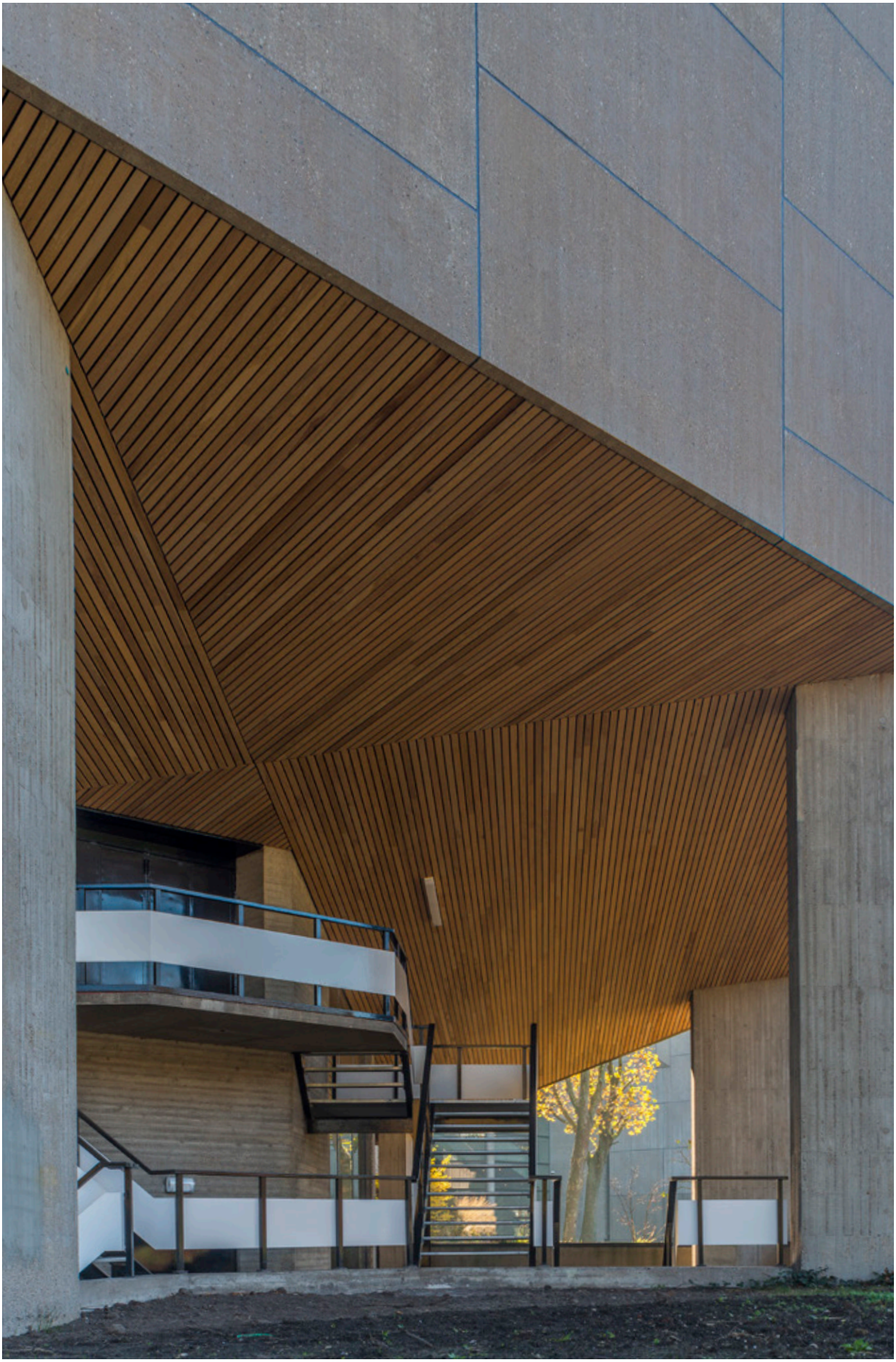

Fràke Noir


Mahogany


Western Red Cedar

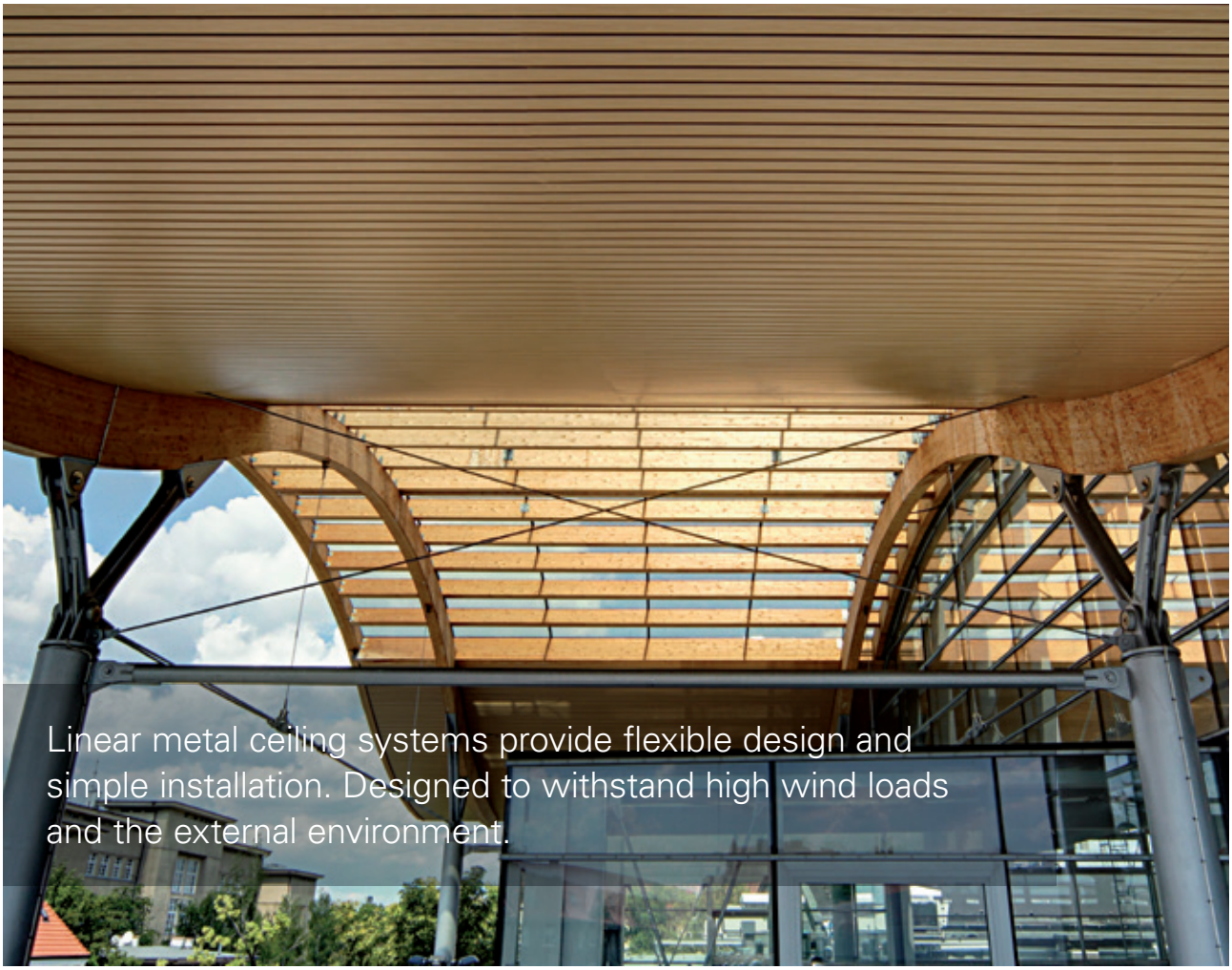

Jatoba


Bamboo



Project: Erasmus University, Rotterdam, The Netherlands - Product: Solid Wood Linear, Exterior - Architect: 1974 Elffers van der Heyden en Hoogeveen

LINEAR
PANEL 70U/84R



Project: International Poznan Fairs, Poznan, Poland - Product: Linear Panel Exterior - Architect: ADS Studio

KEY FEATURES

- Panel widths: 70 mm (70U) and 84 mm (84R)
- Panel length: 800 mm up to 6000 mm
- Panel depths:
  - 25 mm (70U)
  - 16 mm (84R)
- Special support system (ProFix™) to provide rigid and stable construction for wind load resistance
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access

Production by Hunter Douglas Ceiling Center

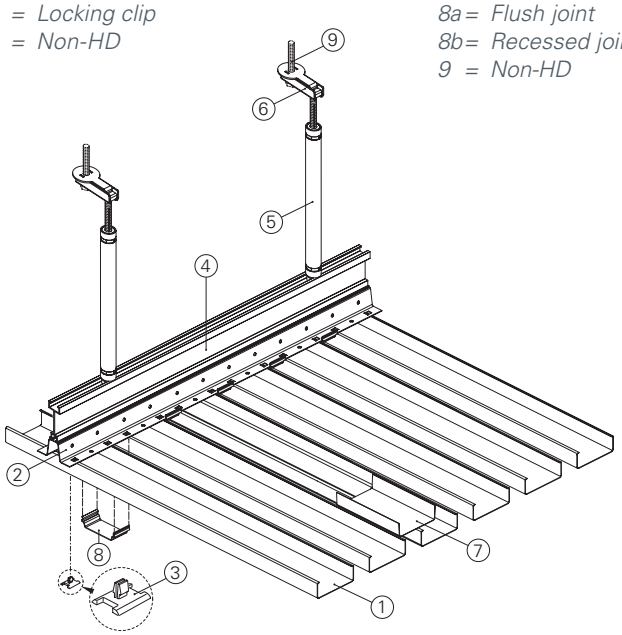
EN 13964
E1

A+

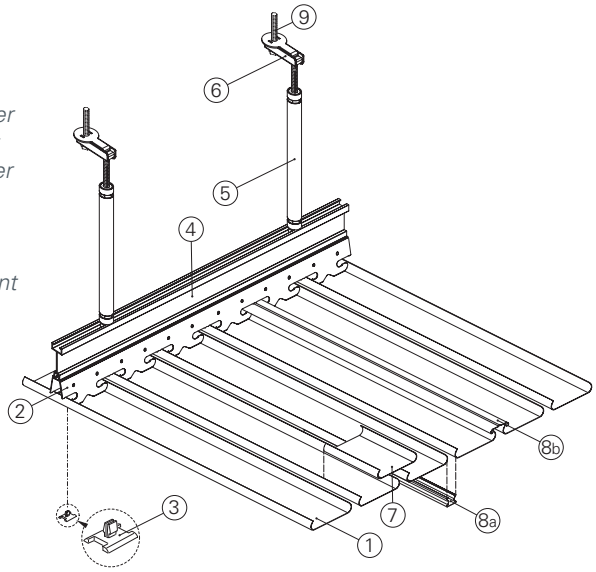
90%

TYPICAL ISOMETRICS

1 = 70U panel
2 = Carrier
3 = Screw washer
4 = Reinforcement
5 = Hanger
6 = Top fixing
7 = Panel splice
8 = Locking clip
9 = Non-HD

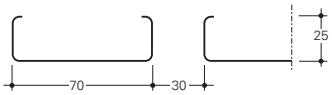


1 = 84R panel
2 = V5 carrier
3 = Screw washer
4 = Profix™ carier
5 = Profix™ hanger
6 = Top fixing
7 = Panel splice
8a = Flush joint
8b = Recessed joint
9 = Non-HD

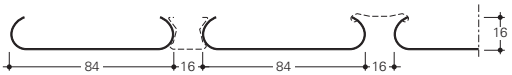


Spans vary with the applicable wind load

TYPICAL SECTIONS

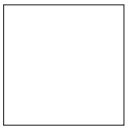


70U



84R

PERFORATION PATTERNS



Plain

PHYSICAL DATA



Plain: A2-s1,d0



Al: 2.2 - 3.2 kg/m²



EN 1191-1-4



Luxacote® finish



Plain

OPTIONAL



Colours:
See page 248



84R only

COLOURS AND FINISHES

Hunter Douglas offers a wide choice of colours and finishes. Custom colour matching is available upon request. Please contact your local Hunter Douglas sales office for minimum quantities and lead times. See website for the most up to date information. Colours are for illustration purposes only.

PROTECTED BY LUXACOTE®

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for exterior application

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STANDARD LUXACOTE® PAINT COLOURS (84R)



0260 ±RAL 9010 | 1660 ±RAL 7015 | 7035 ±RAL 9007 | 7080 ±RAL 9006 | 0401 ±RAL9016

CUSTOM COLOURS



STANDARD LUXACOTE® PAINT COLOURS (70U)



0401 ±RAL9016 | 7080 ±RAL 9006

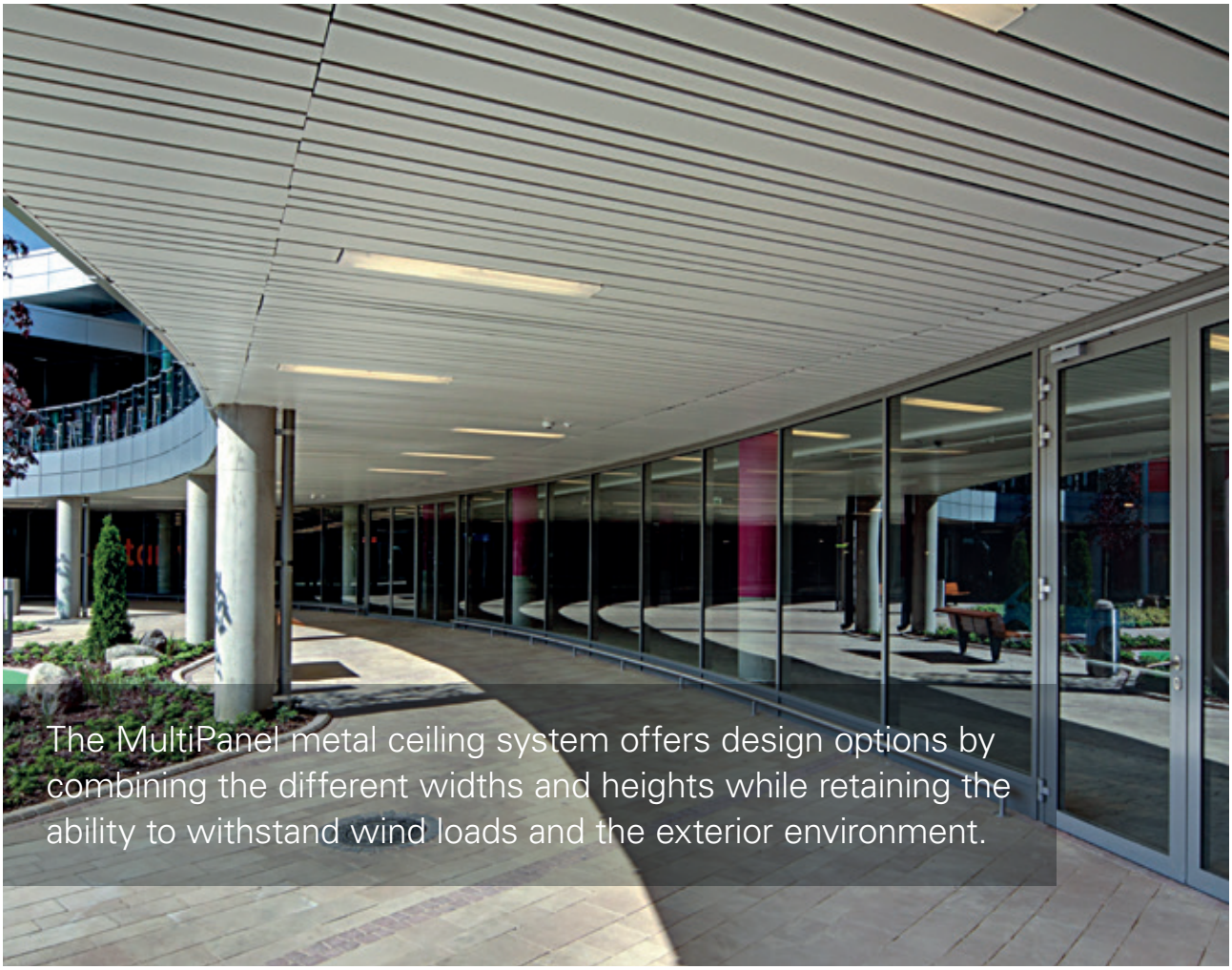
CUSTOM COLOURS





Project: Simplon Apartment House, Budapest, Hungary - Product: Linear Panel Exterior - Architect: T2A Studio Mr Bence Turanyi

LINEAR
MULTIPANEL 30BD/30BXD/80B



Project: Poleczki Business Park, Warswa, Poland - Product: Linear Exterior - Architect: RKW

KEY FEATURES

- Panel widths: 30 mm and 80 mm, joint width 20 mm
- Panel length: 800 mm up to 6000 mm
- Panel depths:
  - 15 mm (80B)
  - 39 mm (30BD)
  - 64 mm (30BXD)
- Square edge design
- Special support system (ProFix™) to provide rigid and stable construction for wind load resistance
- Easy plenum access
- On site waste reduction with factory fabricated dimensional material

Production by Hunter Douglas Ceiling Center

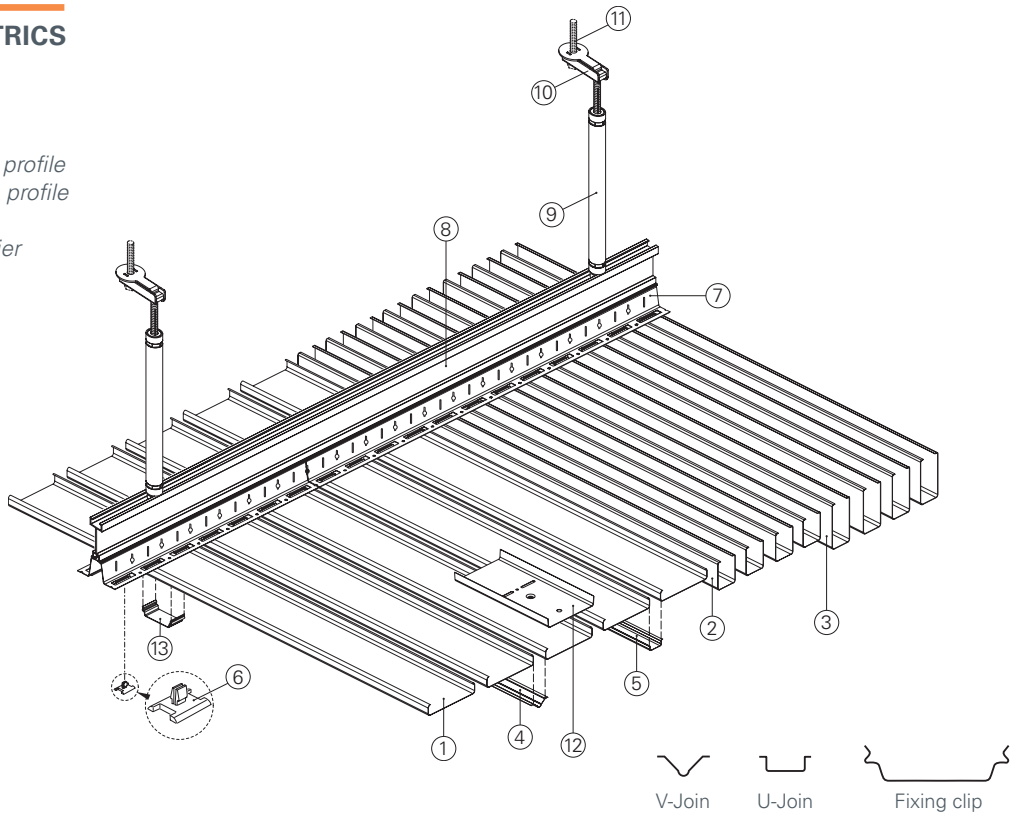
EN 13964
E1

A+

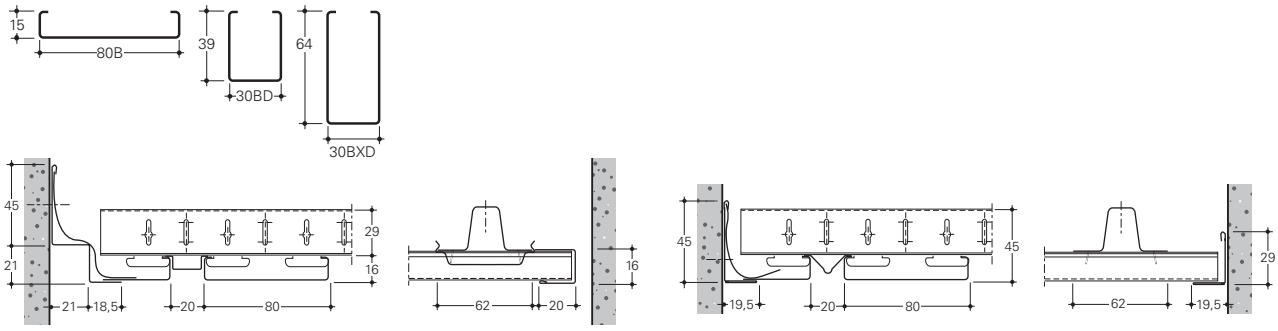
90%

TYPICAL ISOMETRICS

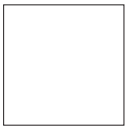
1 = 80B panel
2 = 30BD panel
3 = 30BXD panel
4 = Recessed V-join profile
5 = Recessed U-join profile
6 = Screw washer
7 = Multi-Panel Carrier
8 = Reinforcement
9 = Hanger
10 = Top fixing
11 = Non HD
12 = Panel Splice
13 = Fixing clip



TYPICAL SECTIONS



PERFORATION PATTERNS



Plain

PHYSICAL DATA



Plain: A2-s1,d0
30B(X)D: B-s1,d0



Al: 2.1- 4.5 kg/m²



EN 1191-1-4



Luxacote® finish



Plain

OPTIONAL



Colours:
See page 252

COLOURS AND FINISHES

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STANDARD LUXACOTE® PAINT COLOURS (80B, 30BD AND 30BXD)



0260 ±RAL 9010 | 1660 ±RAL 7015 | 7035 ±RAL 9007 | 7080 ±RAL 9006 | 0401 ±RAL9016

All other paneltypes colours on request.

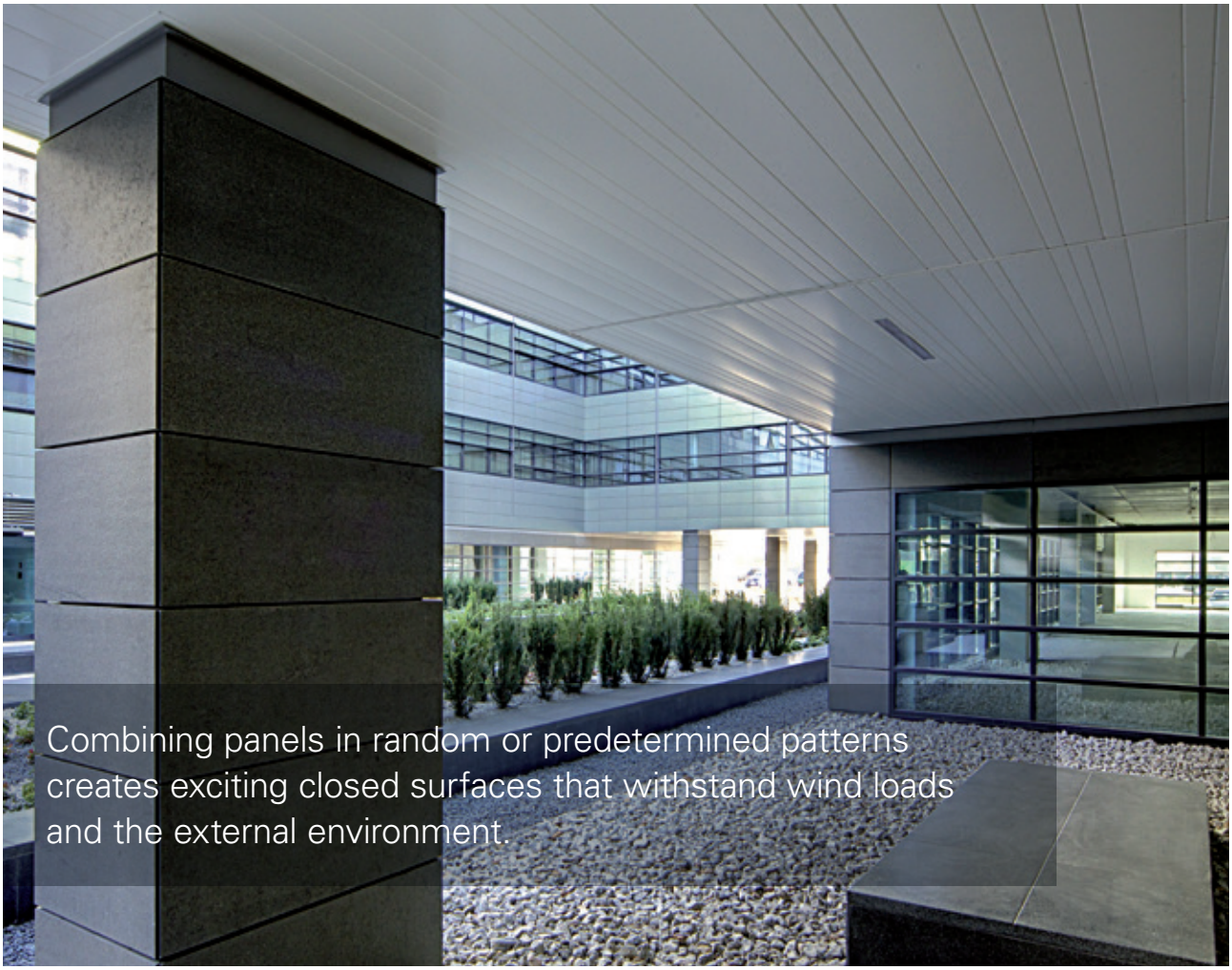
CUSTOM COLOURS





Project: Ferrari Restaurant, Maranello, Italy - Product: Linear Multipanel Exterior - Architect: M. Visconti

LINEAR
CLOSED 75C/150C/225C



Project: Poleczki Business Park, Warswa, Poland - Product: Linear Closed Exterior - Architect: RKW

KEY FEATURES

- Panel widths: 75, 150 and 225 mm
- Panel length: 800 mm up to 6000 mm
- Panel depth: 15 mm
- Special support system (ProFix™) to provide rigid and stable construction for wind load resistance
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access

Production by Hunter Douglas Ceiling Center

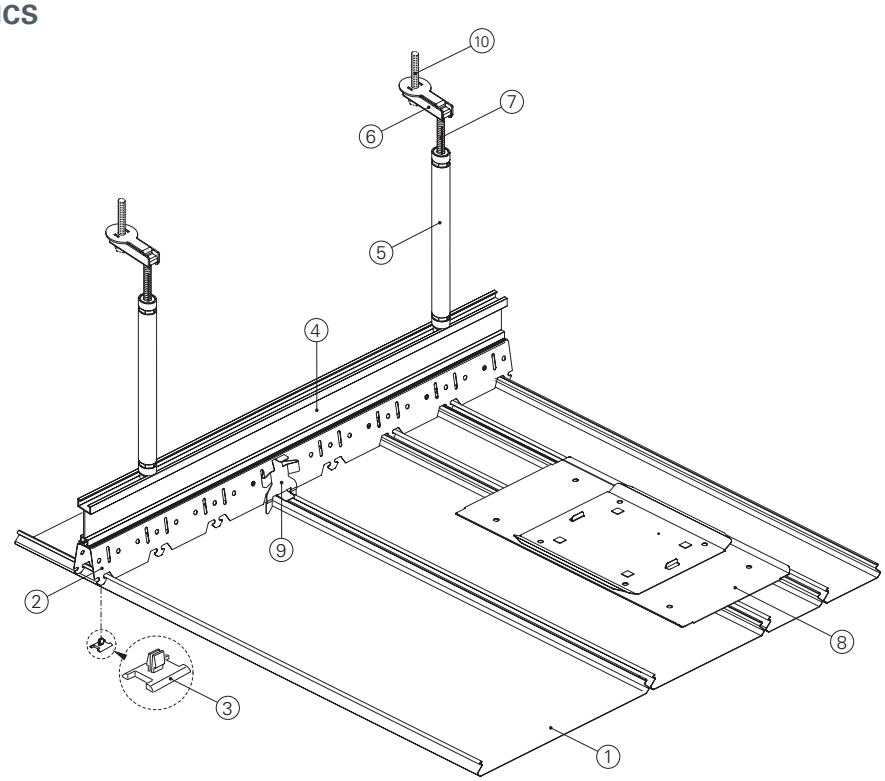
EN 13964
E1

A+

90%

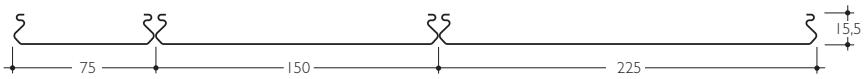
TYPICAL ISOMETRICS

1 = Panel
2 = Carrier
3 = Screw washer
4 = Reinforcement
5 = Hanger
6 = Top fixing
7 = Threaded rod
8 = Panel splice
9 = Locking clip
10 = Non-HD

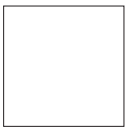


Spans vary with the applicable wind load

TYPICAL SECTIONS



PERFORATION PATTERNS



Plain

PHYSICAL DATA



Plain: A2-s1,d0



Al: 4.5- 5.0 kg/m²



EN 1191-1-4



Luxacote® finish



Plain

OPTIONAL



Colours:
See page 256

COLOURS AND FINISHES

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STANDARD LUXACOTE® PAINT COLOURS (75C EXTERIOR)



0260 ±RAL 9010
1660 ±RAL 7015
7035 ±RAL 9007
7080 ±RAL 9006
0401 ±RAL9016 *(75C only)*

CUSTOM COLOURS



STANDARD LUXACOTE® PAINT COLOURS (150C AND 225C EXTERIOR)



0260 ±RAL 9010
7080 ±RAL 9006

CUSTOM COLOURS





Project: Lodz University, Lodz , Poland - Product: Multipanel Exterior - Architect: OOA



Project: Servicestation Texaco, Heverlee , Belgium - Product: Exterior Ceiling - Architect: Abscis Architecten

KEY FEATURES

- Panel widths: 150 mm (150F) and 200 mm (200F)
- Panel length: 800 mm up to 6000 mm
- Special support system (ProFix™) to provide rigid and stable construction for wind load resistance
- Both panels can be combined in one installation (fixed on screw clamps)
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access

Production by Hunter Douglas Ceiling Center

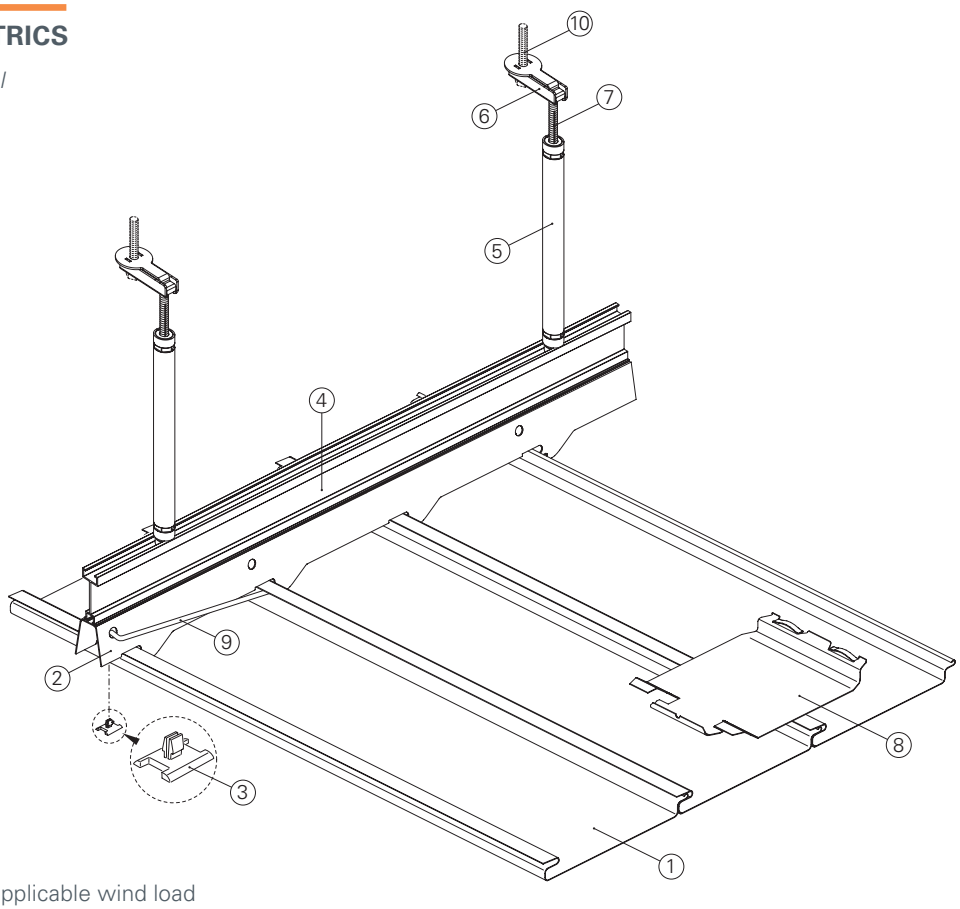
EN 13964
E1

A+

90%

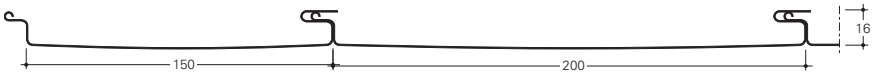
TYPICAL ISOMETRICS

1 = 150F/200F panel
2 = Carrier
3 = Screw washer
4 = Reinforcement
5 = Hanger
6 = Top fixing
7 = Threaded rod
8 = Panel splice
9 = U-bracket
10 = Non-HD



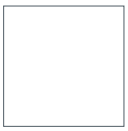
Spans vary with the applicable wind load

TYPICAL SECTIONS



150F *200F*

PERFORATION PATTERNS



Plain

PHYSICAL DATA



Plain: A2-s1,d0



Al: 4.8- 8.2 kg/m²



EN 1191-1-4



Luxacote® finish



Plain

OPTIONAL





Colours:
See page 260

COLOURS AND FINISHES

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STANDARD LUXACOTE® PAINT COLOURS

0260
±RAL 9010


7080
±RAL 9006

0401
±RAL9016
(150F only)

CUSTOM COLOURS





Project: Rabobank Hoeksche Waard, Heinenoord, The Netherlands - Product: Exterior Ceiling - Architect: Architektenburo Roos en Ros BV BNI BNA



Project: Distributie Centrum, Tilburg, the Netherlands - Product: Baffles V100 - Architect: Jeroen Weijers, Van Oers Weijers Architecten

KEY FEATURES

- Panel height: 101 mm
- Panel length: 800 mm up to 6000 mm
- Special support system (ProFix™) to provide rigid and stable construction for wind load resistance
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access

Production by Hunter Douglas Ceiling Center

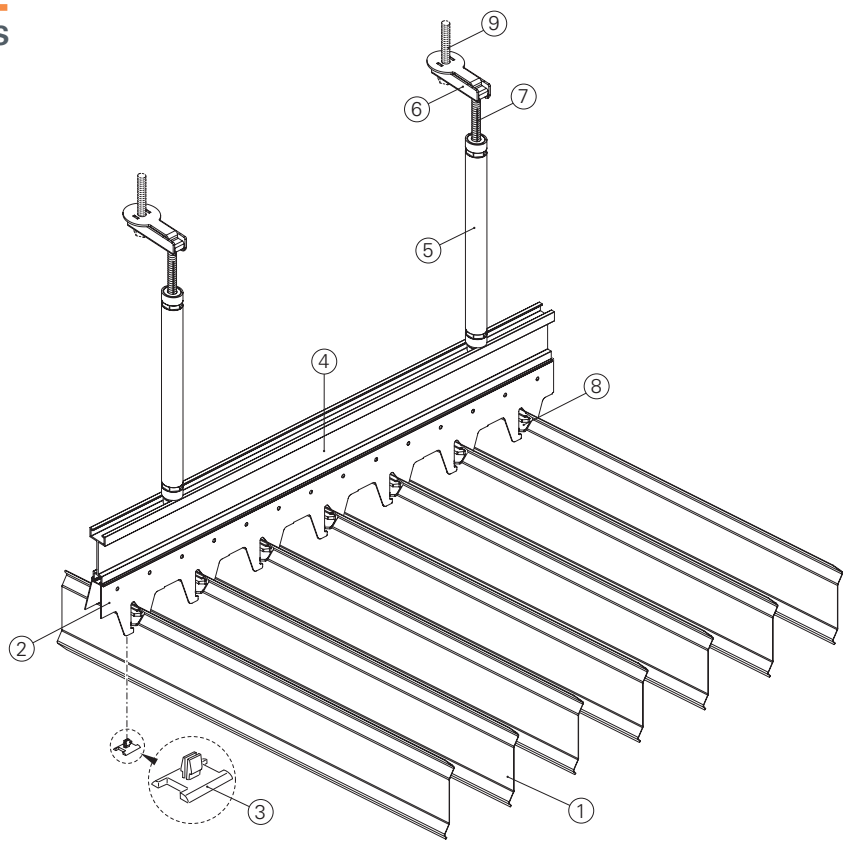
EN 13964
E1

A+

90%

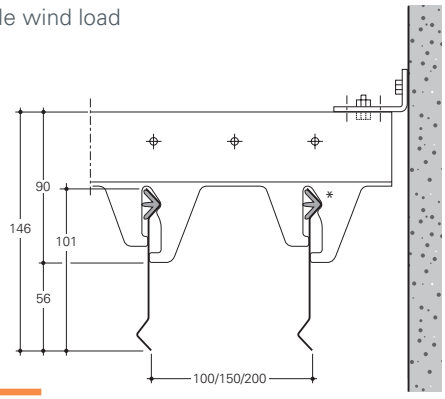
TYPICAL ISOMETRICS

1 = V100 panel
2 = Carrier
3 = Screw washer
4 = Reinforcement
5 = Hanger
6 = Top fixing
7 = Threaded rod
8 = Locking clip
9 = Non-HD

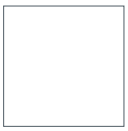


Spans vary with the applicable wind load

TYPICAL SECTIONS



PERFORATION PATTERNS



Plain

PHYSICAL DATA



Plain: A2-s1,d0



Al: 3.0 kg/m²



EN 1191-1-4



Luxacote® finish



Plain

OPTIONAL



Colours:
See page 264

COLOURS AND FINISHES

Hunter Douglas offers a wide choice of colours and finishes. Custom colour matching is available upon request. Please contact your local Hunter Douglas sales office for minimum quantities and lead times. See website for the most up to date information. Colours are for illustration purposes only.

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All colours on request, minimum quantities apply, contact our sales office for possibilities.

CUSTOM COLOURS





Project: Distributie Centrum, Tilburg, the Netherlands - Product: Baffles V100 - Architect: Jeroen Weijers, Van Oers Weijers Architecten

WIDE PANEL
300C/300L



Project: Mercedes Benz, The Hague, The Netherlands - Product: Wide Panel 300L Exterior Ceiling

KEY FEATURES

- Panel width 300 mm
- Panel length: 1000 mm up to 6000 mm
- Bevel-edge design (300C) and square edge design (300L)
- Special support system (ProFix™) to provide rigid and stable construction for wind load resistance
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access

Production by Hunter Douglas Ceiling Center

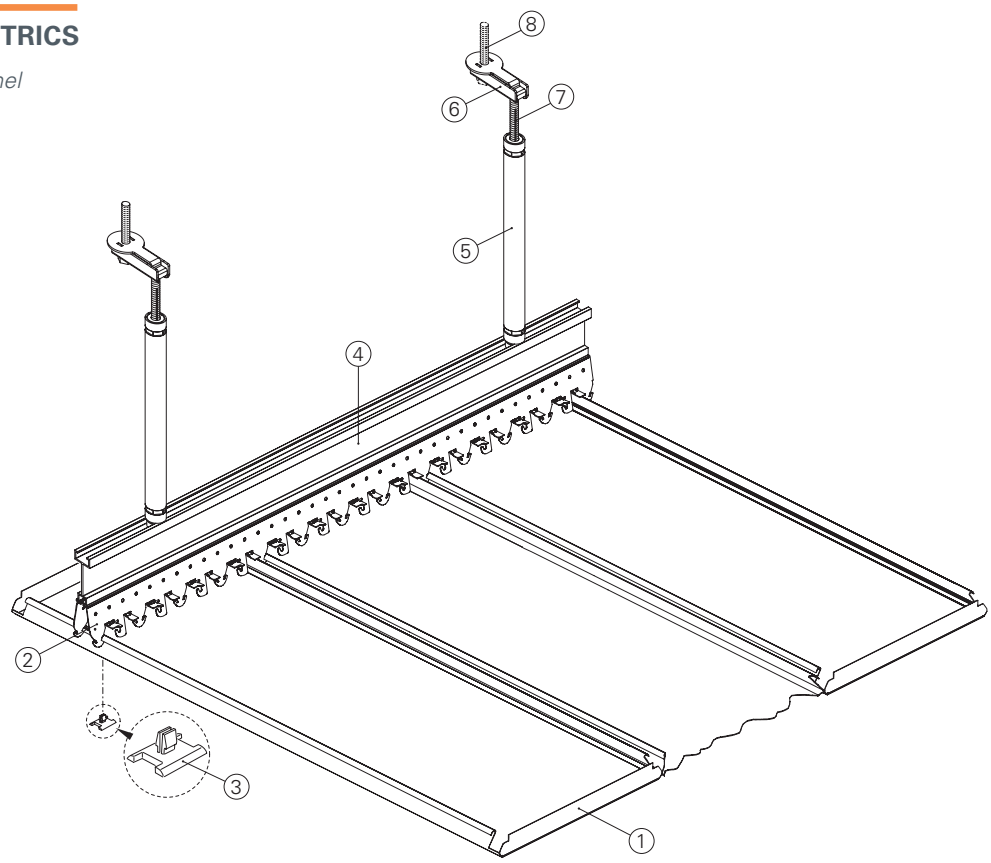
EN 13964 E1

A+

90%

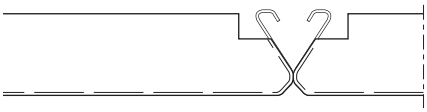
TYPICAL ISOMETRICS

1 = 300C/300L panel
2 = Carrier
3 = Screw washer
4 = Reinforcement
5 = Hanger
6 = Top fixing
7 = Threaded rod
8 = Non-HD

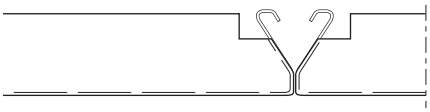


Spans vary with the applicable wind load

TYPICAL SECTIONS

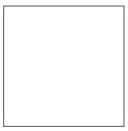


300C



300L

PERFORATION PATTERNS



Plain

PHYSICAL DATA



Plain: A2-s1,d0



Al: 3.0 kg/m²



EN 1191-1-4



Luxacote® finish



Plain

OPTIONAL



Colours:
See page 268

COLOURS AND FINISHES

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STANDARD LUXACOTE® PAINT COLOURS

0260
±RAL 9010


1660
±RAL 7015


7080
±RAL 9006

0401
±RAL9016

CUSTOM COLOURS





Project: Kinepolis, Braine, Belgium - Product: Wide Panel 300L Exterior Ceiling

PLANKS

BETA SAFETY-LOOP



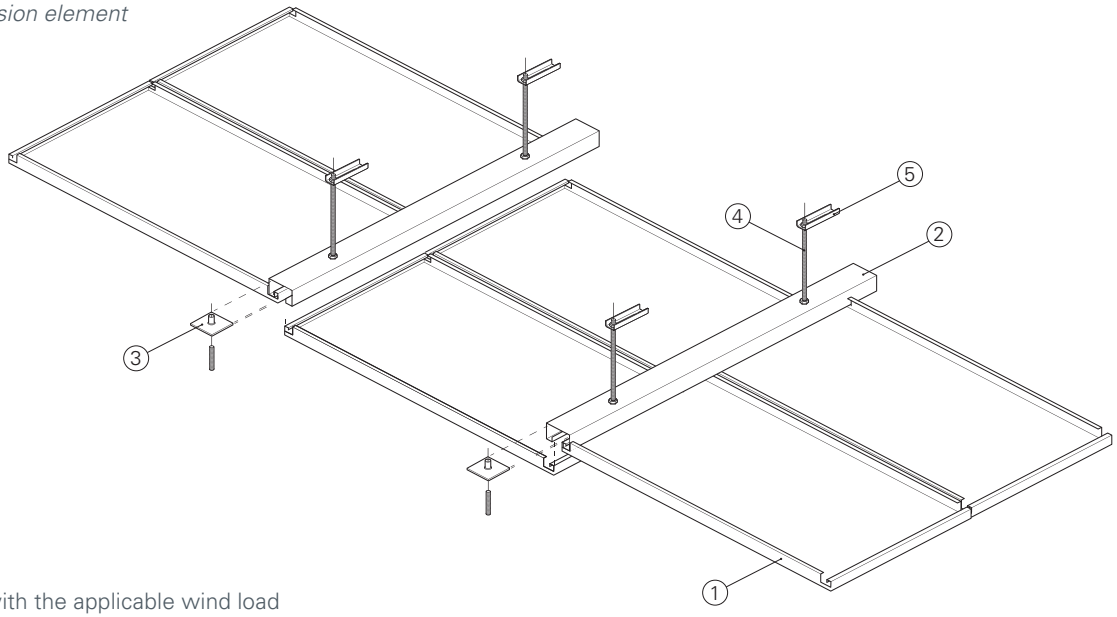
Project: NCIA (NATO), The Hague, The Netherlands - Product: Planks Beta Safety-Loop - Architect: MVSA Architecten

KEY FEATURES

- Panel sizes:
  - minimum 300 x 520 mm
  - maximum 1050 x 1800 mm
- Square-edge design
- Special safety loop system to provide rigid and accessible construction with wind load resistance
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium
- Easy plenum access

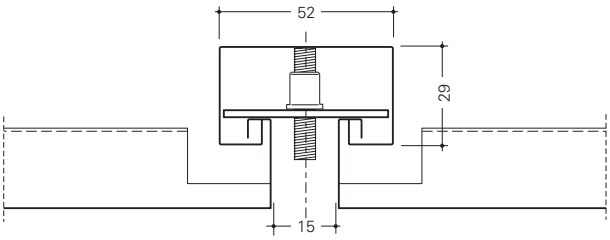
TYPICAL ISOMETRICS

1 = Hook-On plank
2 = Safety-Loop profile
3 = Locking plate with screw
4 = Threaded rod
5 = Suspension element

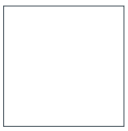


Spans vary with the applicable wind load

TYPICAL SECTIONS



PERFORATION PATTERNS



Plain

PHYSICAL DATA





AI: 4.5 kg/m²



EN 1191-1-4



Plain

OPTIONAL



Colours:
See page 272

PLANKS
BETA SAFETY-LOOP

COLOURS AND FINISHES

Hunter Douglas offers a wide choice of colours and finishes. Custom colour matching is available upon request. Please contact your local Hunter Douglas sales office for minimum quantities and lead times. See website for the most up to date information. Colours are for illustration purposes only.

STANDARD PAINT COLOURS

Signal White RAL 9003

Traffic White RAL 9016

Pure White RAL 9010

White Aluminium RAL 9006

Jet Black RAL 9005

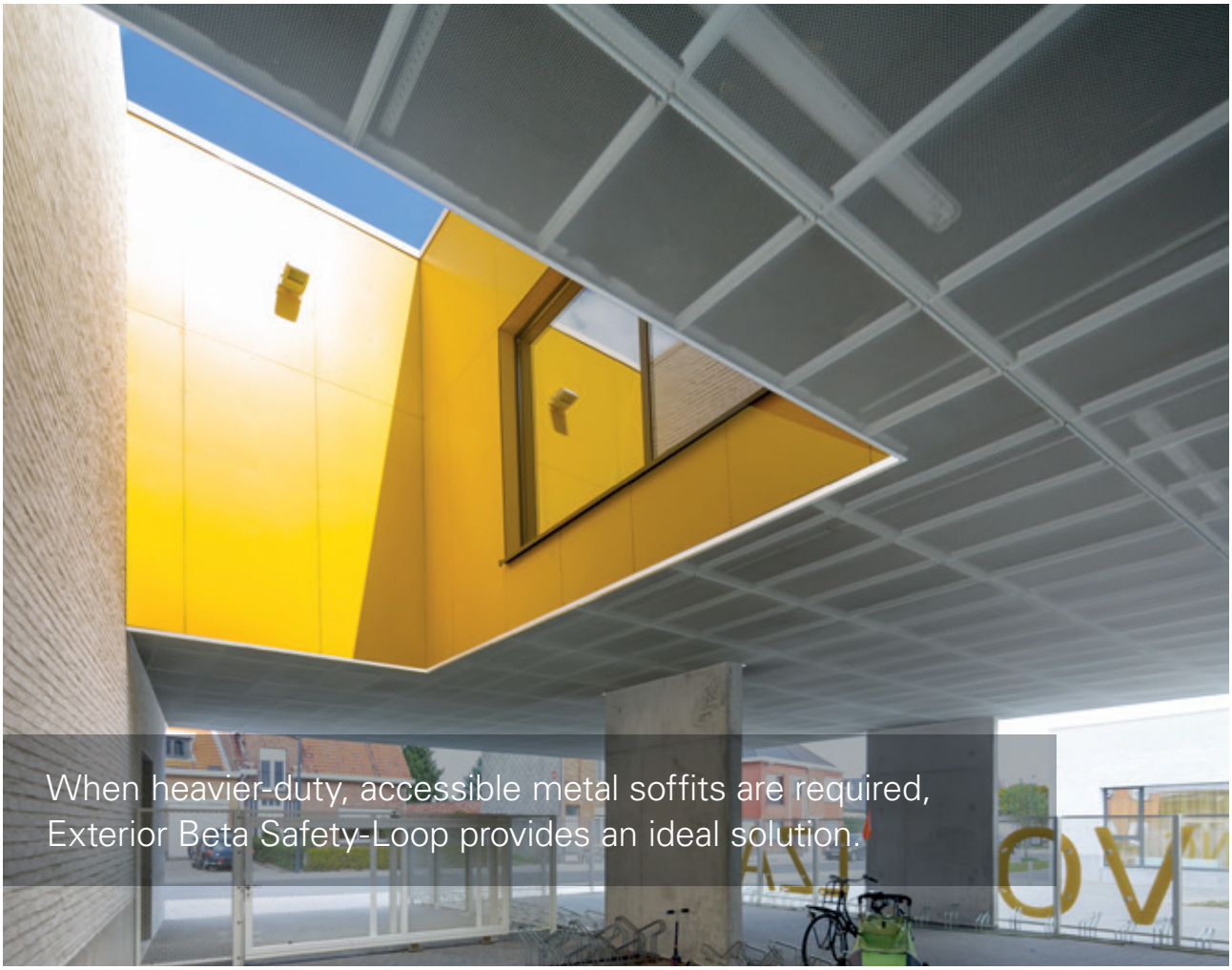
CUSTOM COLOURS



Project: PA Consult C&H, Copenhagen, Denmark - Product: Planks Beta Safety-Loop - Architect: Perlt&Black a/s C&H

STRETCH METAL

HOOK-ON SAFETY LOOP



Project: Elementary School Vogelzang, Oostakker , The Netherlands - Product: Hook-On Safety-Loop Exterior - Architect: PLANOMATIC

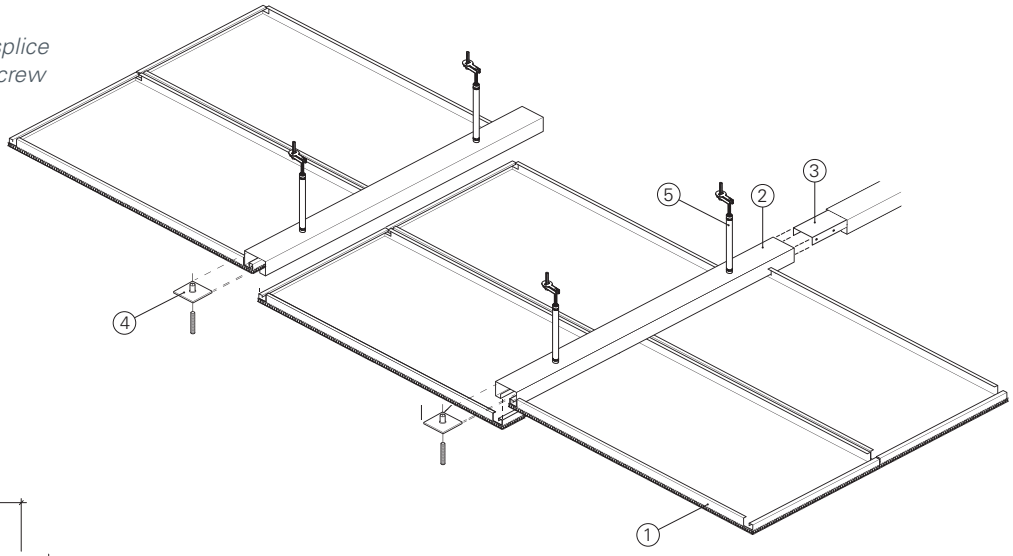
KEY FEATURES

- Panel sizes:
  - minimum 300 x 520 mm
  - maximum 1050 x 1800 mm
- Square-edge design
- Special safety loop system to provide rigid and accessible construction with wind load resistance
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium
- Easy plenum access

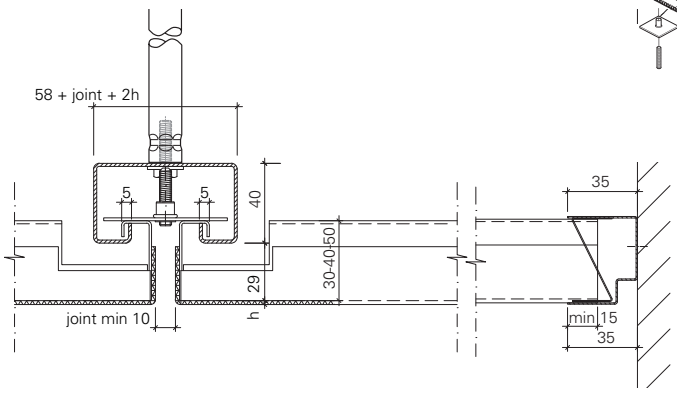
TYPICAL ISOMETRICS

1 = Hook-On plank
2 = Safety Loop profile
3 = Safety Loop profile splice
4 = Locking plate with screw
5 = Profix™ suspension

Spans vary with
the applicable wind load

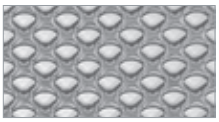


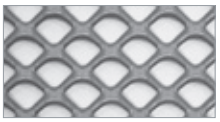
TYPICAL SECTIONS



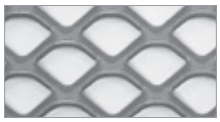
MESH PATTERNS

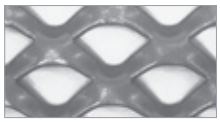
Standard patterns shown. See page 358 for all mesh patterns and technical details.
Scale shown: 1:1, unless otherwise noted.

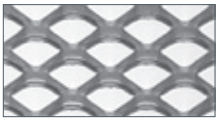

LS6 (Fe)


LS8 (Fe)


LS10 (Fe)

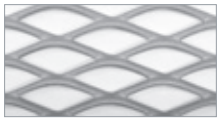

LS12 (Fe)

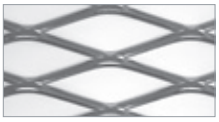

LS16 (Fe)

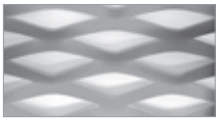

LD10 (Fe)


LD16 (Fe)


LD20 Rotterdam (Fe)
(Scale 1:2)


LD28 Moscow (Fe)
(Scale 1:2)


LD43 Paris (Fe)
(Scale 1:2)


LD62 Dubai (Fe)
(Scale 1:4)


LD85 New York (Fe)*
(Scale 1:4)

** Panel width and length must be divisible by the mesh module*

PHYSICAL DATA













Depends on
Meshtype


Colours:
See page 276


Varies with finish




Alu



Class B



PLANKS
HOOK-ON SAFETY LOOP

COLOURS AND FINISHES

Hunter Douglas offers a wide choice of colours and finishes. Custom colour matching is available upon request. Please contact your local Hunter Douglas sales office for minimum quantities and lead times. See website for the most up to date information. Colours are for illustration purposes only.

STANDARD PAINT COLOURS

Signal White RAL 9003

Traffic White RAL 9016

Pure White RAL 9010

White Aluminium RAL 9006

Jet Black RAL 9005

CUSTOM COLOURS



Project: Hotel de ville, MontignyleTilleyl , Belgium - Product: Hook-On Safety-Loop Exterior - Architect: V Bureau Bouwtechniek



Project: Kinepolis, Braine, Belgium - Product: Wide Panel 300L Exterior Ceiling with suspension system ProFix™

KEY FEATURES

- Corrosion resistant construction for enhanced durability
- Applicable with all standard carriers
- Suspension heights 150 - 1250 mm
- adjustable to allow for site tolerances
- Tested on loading capabilities
- Special edge trim construction for easy plenum access

Production by Hunter Douglas Ceiling Center

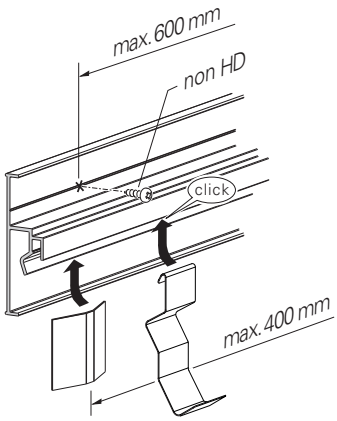
EN 13964
E1

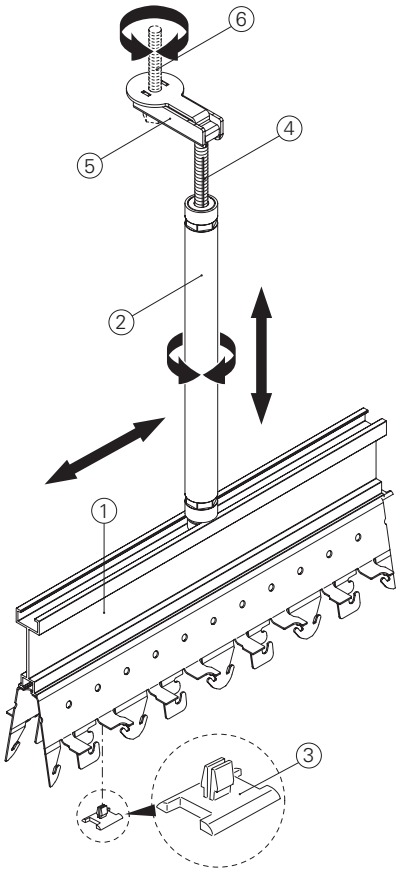
A+

60%

TYPICAL ISOMETRICS

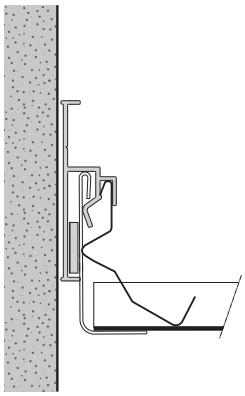
1 = Reinforcement
2 = Hanger
3 = Screw washer
4 = Threaded rod
5 = Top fixing
6 = Non-HD





Spans vary with the applicable wind load

TYPICAL SECTIONS



PHYSICAL DATA



Plain: A1



EN 1191-1-4



Project: Kelenfold railway station, Budapest, Hungary - Products: Linear 80B Exterior - Architect: Uvaterv Zrt


1.
VÁGÁNY
2.
VÁGÁNY
2



Project: NHL Hogeschool, Leeuwarden, The Netherlands
Product: Veneered Wood Wall and Ceiling Tiles, Okoume veneer
Architect: Herman Hertzberger

WALL SYSTEMS

With a 60 year legacy of product innovation, our wall systems lead in design, function and sustainability.


frittenwerk
HALLO OBERHAUSEN, BALD IST FRITTENZEIT!
Chutney INDIAN FOOD
KFC
DUNKIN'
FIVE GUYS









Project : CentrO Oberhausen
Architect: HPP
Product : HearFelt® linear Wall

"A VISUALLY ATTRACTIVE AND ACOUSTICALLY EFFECTIVE WALL"

The food court of the largest shopping centre in Germany features a wall of Hunter Douglas Architectural's innovative and award-winning HeartFelt®.

CentrO Oberhausen in Oberhausen, North Rhine-Westphalia, underwent an extensive refurbishment, which included a restructure of the food court - taking it from one to two storeys - to house about 20 restaurants and accommodate 1300 people.

The vision was to enhance the comfort of the space and Hunter Douglas Architectural recommended the world's first modular and linear felt ceiling and wall system to architect Robert Bönsch, of Cologne-based HPP because he was keen to provide a visually attractive wall covering for the large seating area on the second floor.

The challenge was to create an acoustically effective wall cladding on a rounded wall. When HeartFelt® was introduced as a wall system, we devised a solution specifically for curved walls, so it is ideal for this setting.

Hunter Douglas supplied HeartFelt® linear panels in various shades of grey, in 70 mm module and panel dimensions of 40 x 55 mm. The curve was created by the use of curved carriers and for added acoustics, an additional acoustic mat in PE foil was mounted behind the panels.



Project: City Office, Hasselt, Belgium
Architect: UAUcollectiv ism Jaspers-Eyers Architecten
Product: HeartFelt® Linear Wall system



Project: Parly 2, Le Chasney, France
Architect: Saguez & Partners
Product: HeartFelt® Linear Wall systems

WALL SYSTEMS

HEARTFELT® LINEAR 288

SOLID WOOD 292

VENEERED WOOD 298

CONCRETE VENEER 308



Project: Parly 2, Le Chesnay, France - Product: HeartFelt® Linear Wall systems - Architect: Saguez & Partners

KEY FEATURES

- Modular wall system with felt panels
- Panel dimensions
  Boxshaped: 40 x 55 mm
  Rounded : 40 x 64 mm
- Panel length 1000 to 6000 mm
- Sixteen standard carrier modules to vary reveal (M50-M200) for acoustics and aesthetics
- Easy wall cavity access
- Interior applications

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ECO PLATFORM EPD EN 15804 VERIFIED

cradle to cradle CERTIFIED BRONZE

ISO 14001 SGS ISO 9001 SGS

Production by Hunter Douglas Ceiling Center

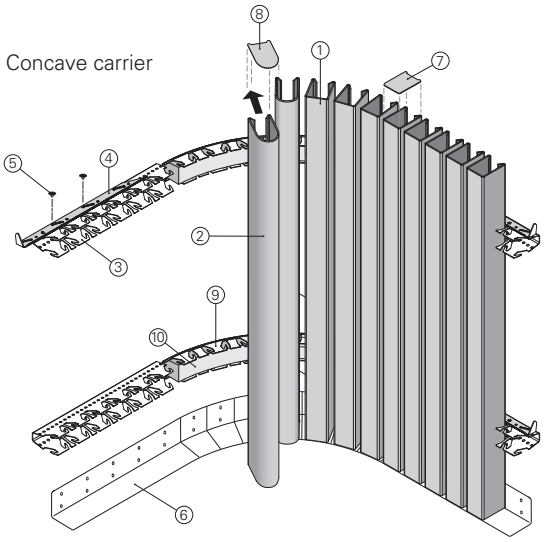
EN 13964
E1

A+ A B C
A+

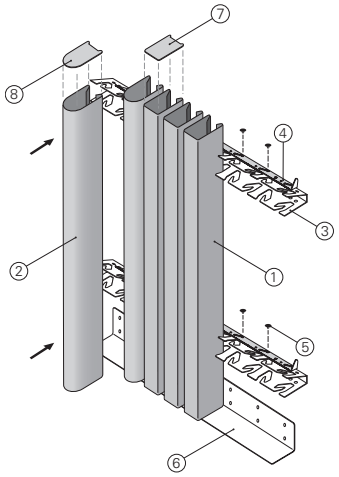
TYPICAL ISOMETRICS

1 = HeartFelt® panel 40HL55
2 = HeartFelt® panel 40HR64
3 = Carrier (straight)
4 = Locking strip
5 = Push nail
6 = Support profile (Non-HD)
7 = Endcaps 40HL55 (Optional)
8 = Endcaps 40HR64 (Optional)
9 = Carrier (curved)
10 = PES wool (34 x 20 D40 kg/m³)

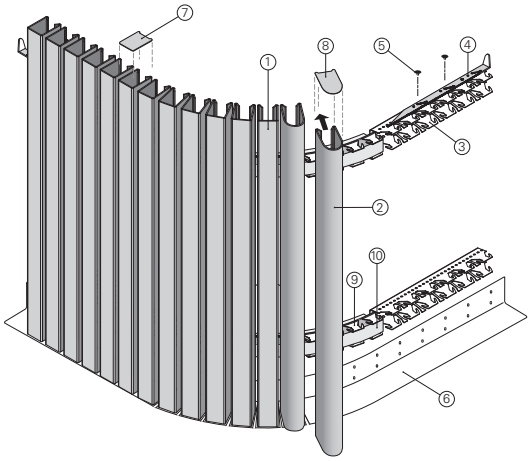
Concave carrier



Straight carrier

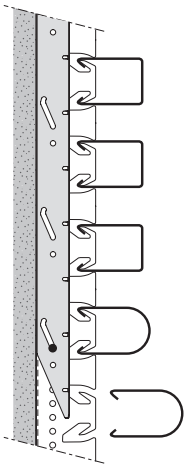


Convex carrier

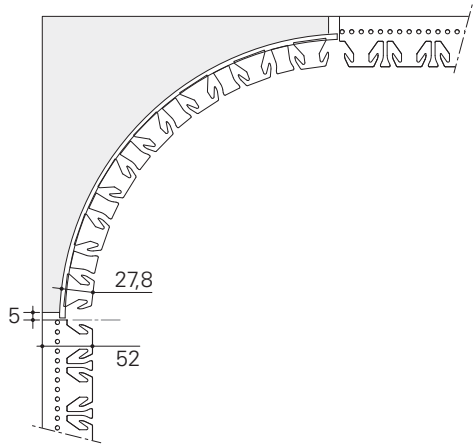


Maximum panel span 800 mm, maximum panel cantilever 150 mm
Maximum carrier span 750 mm, maximum carrier cantilever 300 mm

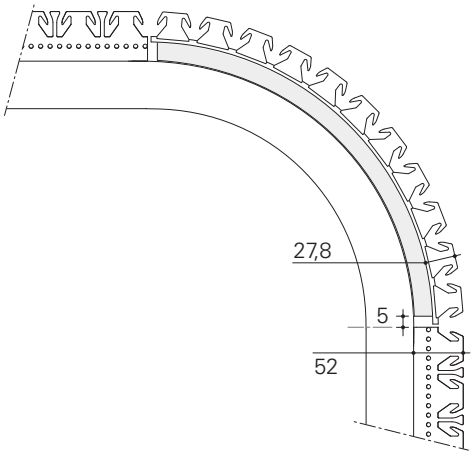
TYPICAL HORIZONTAL SECTION



Straight carrier



Concave carrier



Convex carrier

PHYSICAL DATA

B-s1,d0

Varies with colour

40HL55 M50:
α_W = 0.70 m² (H)
40HL105 M200:
α_W = 0.40 m² (H)

40HL55 M50:
4.6 kg/m²
40HL105 M200:
1.3 kg/m²

Class B

OPTIONAL

Colours:
See page 290

Ceiling solutions:
see page 28

COLOURS

Colours are for illustration purposes only.

SHADES OF GREY



White 7593 | Light Grey 7596 | Middle Grey 7597 | Dark Grey 7598 | Black 7594

EARTH TONES *(Panel 40HL55 only)*

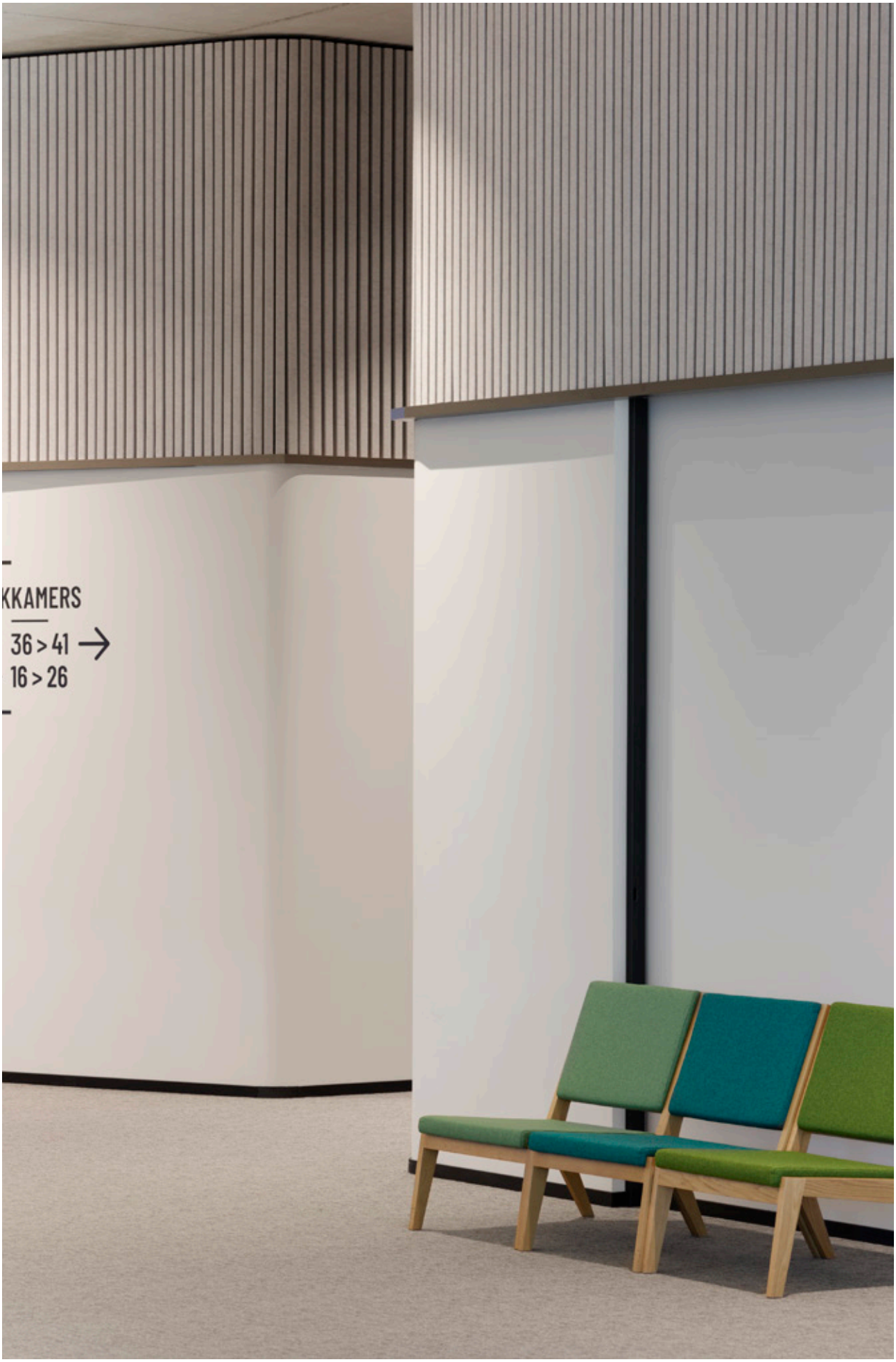


Creme 7575 | Light Brown 7576 | Medium Brown 7577 | Dark Brown 7578 | Umber 7579

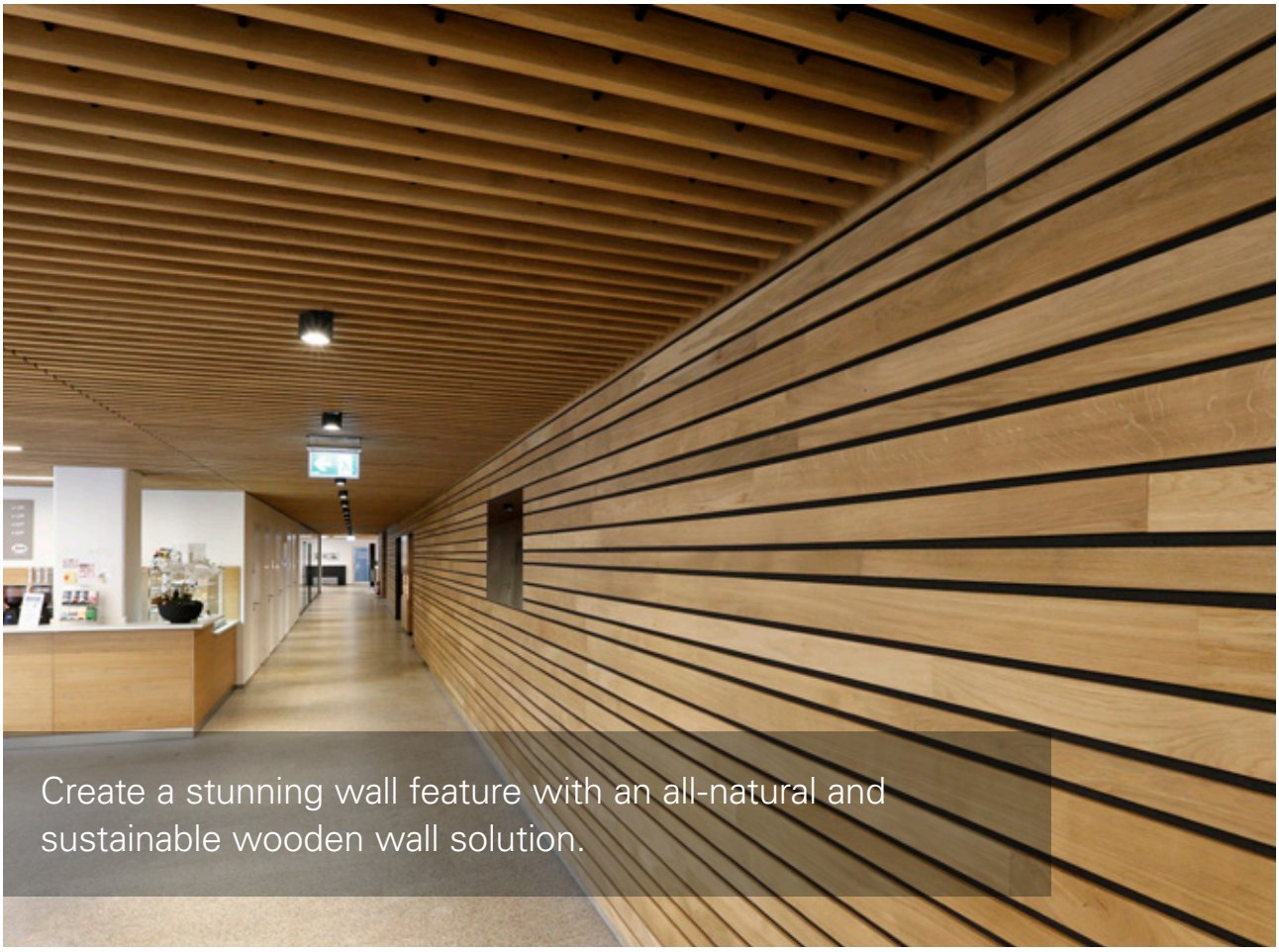
ACOUSTICAL RATINGS - α_w

Panel 40HL55 and 40HR64

Module (mm)	Joint (mm)	Openness %	α_w
M50	10	20%	0.70 (H)
M60	20	33%	0.65 (H)
M70	30	43%	0.60 (H)
M80	40	50%	0.50 (H)
M90	50	55%	0.45 (H)
M100	60	60%	0.45 (H)



Project: City Office, Hasselt, Belgium - Product: HeartFelt® Linear Wall systems - Architect: UAUcollectiv ism Jaspers-Eyers Architecten



Project: Rehau Werk Strontium, Germany - Product: Solid Wood Linear Wall - Architect: Kaiser & Dressel

KEY FEATURES

- Interior applications
- Three wall solutions: Linear Open, Multi-panel & Linear Closed
- Panel widths from 63 mm up to 184 mm
- Mixed length with a minimum of 900 mm, manufactured inclusive tongue and groove connection. Fixed length on request
- Panel thickness from 15 up to 20 mm
- Available in different modules and joint width
- With the multi-panel system various widths can be combined to create a dynamic look and feel
- Other sizes are available upon request
- Black, grey or white non woven tissue or if necessary Ultra Fiber will be glued and stappled between the joint
- Quick and invisible mounting according to a fixed pattern due to the specially developed fixing method
- Budgetary flexibility due over 15 wood species within various price categories
- High-quality finishing against moisture, dust and dirt. Transparent or wide range of colours available
- Curved, undulating and special shapes possible
- Special system coatings available for humid area application
- Compatible with industry standard lighting, HVAC, speaker, fire safety and security services
- Certified: FSC, PEFC, Cradle to Cradle silver
- Integral guarantee for support systems, wood, finish and fire retardance
- Contribution to obtaining credits within BREEAM and LEED

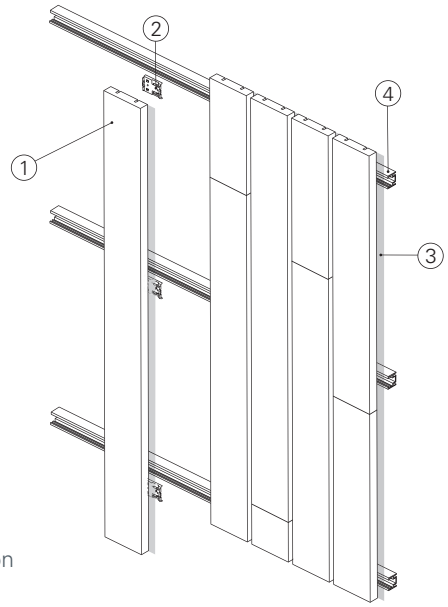
Produced and certified by Derako International

EN 13964
E1

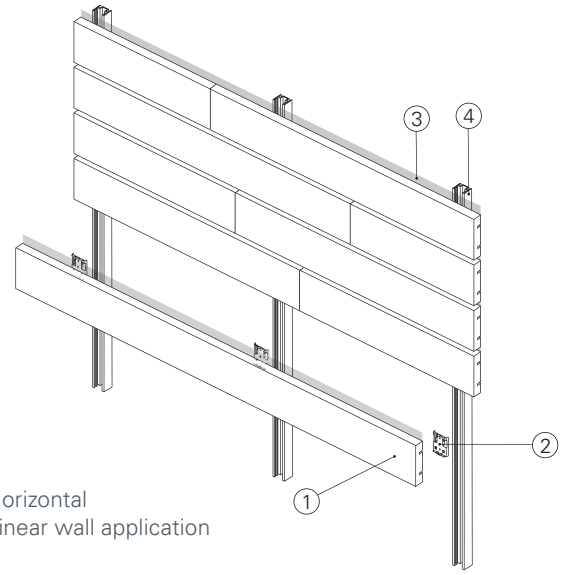
A+

TYPICAL ISOMETRICS

1 = Solid Wood Linear panel
2 = Clip (pre-fixed)
3 = Acoustic non woven tissue or Ultra Fiber
4 = SLR profile



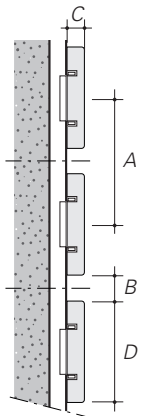
Vertical
Linear wall application



Horizontal
Linear wall application

TYPICAL SECTIONS

A = Module
B = Joint
C = Panel thickness
D = Panel width



PHYSICAL DATA

B-s2,d0 According to EN 13501-1
B-s1,d0 available on request

α_W 0.30 - 0.50
See page 363

5.0 - 12.0 kg/m²

Moist cloth

OPTIONAL

Acoustic cloth
Black

Colours:
See page 296

Exterior solutions:
See page 240

Ceiling solutions:
See page 48



Project: Office de Alliantie, Amersfoort, The Netherlands - Product: Solid Wood Grill, FSC European Oak - Architect: Ookarchitecten

KEY FEATURES

- Interior applications
- Made to measure wooden ceiling solution. Design the sizes of the slats and the distance between the slats. Together this will form the Grill element
- The slat thickness can be between 15 mm and 35 mm, depending per wood specie.
- The slat height can be between 35 mm and 140 mm, depending per wood specie
- The distance between the slats can be 25 mm until 140 mm
- The length of the assembled grill elements will be determined by the structural conditions. This can vary between 590 mm and 3590 mm, depending on the available raw material
- The Grill element is available with 12 mm or 20 mm dowel. The standard colour is black, other colours are on request
- Easily and individually demountable
- Budgetary flexibility due over 15 wood species within various price categories
- High-quality finishing against moisture, dust and dirt. Transparent or wide range of colours available
- Curved, undulating and special shapes possible. Also radial panels and CNC milled panels on request available
- Compatible with industry standard lighting, HVAC, speaker, fire safety and security services
- Certified: FSC, PEFC, Cradle to Cradle silver
- Integral guarantee for support systems, wood, finish and fire retardance
- Contribution to obtaining credits within BREEAM and LEED

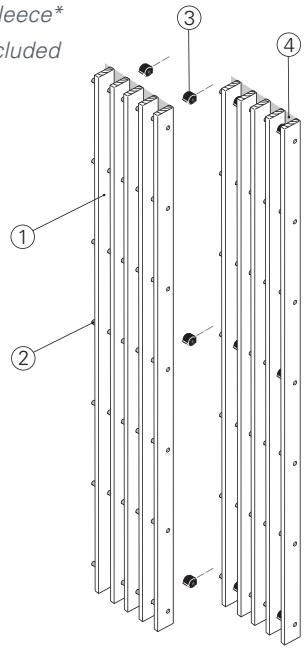
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EN 13964
E1

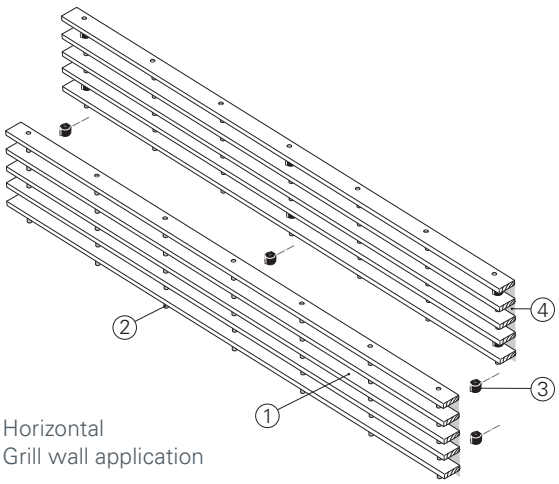
A+

TYPICAL ISOMETRICS

1 = Solid Wood Grill panel
2 = Metal dowel
3 = Wall clip
*4 = Optional acoustic fleece**
**These items are not included*



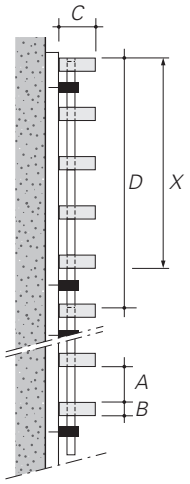
Vertical
Grill wall application



Horizontal
Grill wall application

TYPICAL SECTIONS

A = Joint
B = Slat thickness
C = Slat height
D = Element width
X = Amount of slats



PHYSICAL DATA

B-s2,d0 According to EN 13501-1
B-s1,d0 available on request

α_w 0.30 - 0.50
See page 363

6.0 - 15.0 kg/m²

Moist cloth

OPTIONAL

Acoustic cloth
Black

Colours:
See page 296

Exterior solutions:
See page 242

Ceiling solutions:
See page 50

WOOD SPECIES AND FINISHES

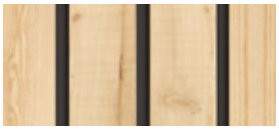
An extensive range of wood species is available, ranging from deep warm colours to the light wood tones. Other types of wood possibilities can be looked at on request. Standard, the wood is finishes in a transparent varnish. Optionally a wide range of colour is available. The finish adds a nice touch to the wood with the natural tones and structures of the wood being maintained. For each application the right system coating is determined that is necessary to protect the wood.

WOOD SPECIES


Accoya


American White Oak


African Ayous


Siberian Larch


Yellow Poplar


Yellow pine

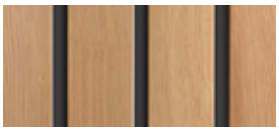

American Ash


European Pine

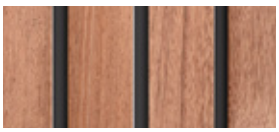

American Red Oak

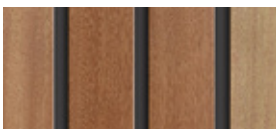

European Oak

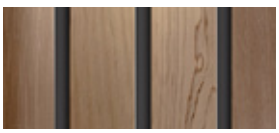

Cherry

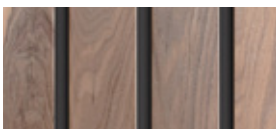

Oregon Pine


Cambara


Merbau

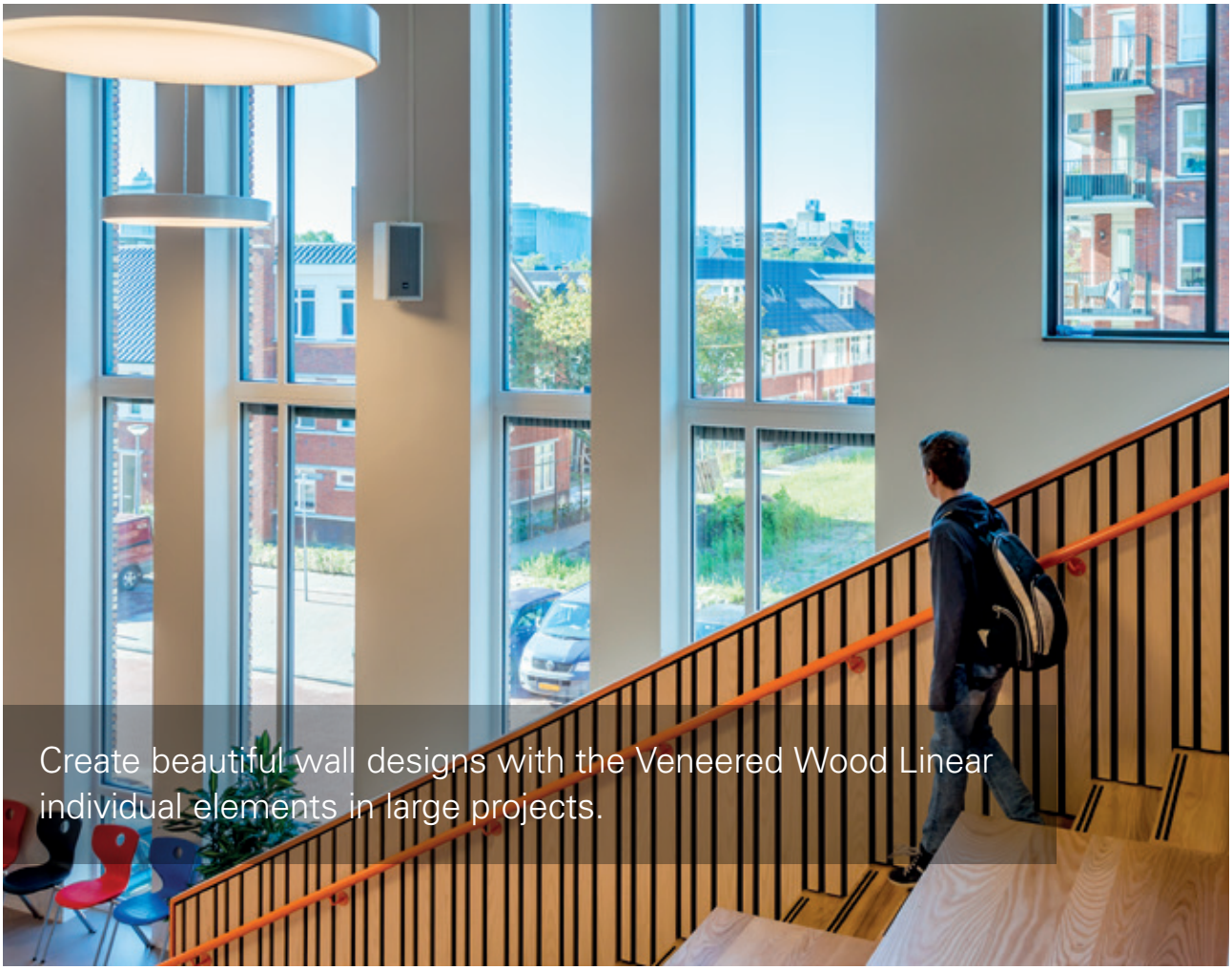

Mahogany


Western Red Cedar


American Walnut



Project: Christalia 4B, Madrid, Spain - Product: Solid Wood Grill - Architect: Rafael de la Hoz



Project: Driestar, Leiden, the Netherlands - Product: Ceiling - Linear cassette - Essen (white wash) - Architect: Roosros architecten

KEY FEATURES

- Interior applications
- MDF core finished with wood veneer
- Multi-panel layouts possible, combining different widths
- Fire retardant and moisture resistant solutions
- Acoustic fleece to fill gaps
- Staining possibilities
- Variety of organic or engineered wood veneers, FSC or PEFC certified
- Available as individual panels to be installed with screw clips or pre-assembled element to be directly mounted to substructure
- Panel length: standard 2400 mm
- Panel width: 65 / 90 / 120 / 150 / 200 / 230 mm
- Joint width: 5 / 10 / 15 / 20 / 30 mm
- Panel thickness: 17 mm
- Other sizes and dimensions are available upon request

The mark is responsible forestry

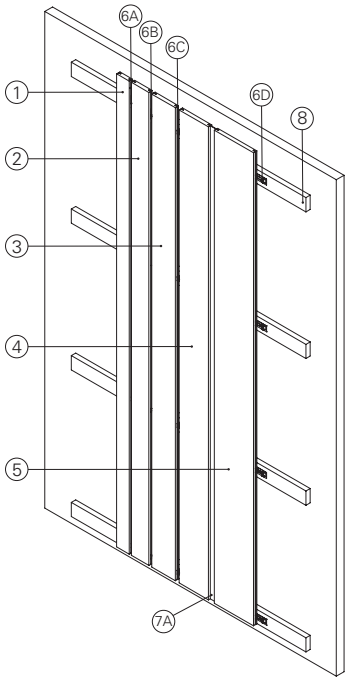
Promoting sustainable forest management www.pefc.org

EN 13964
E1

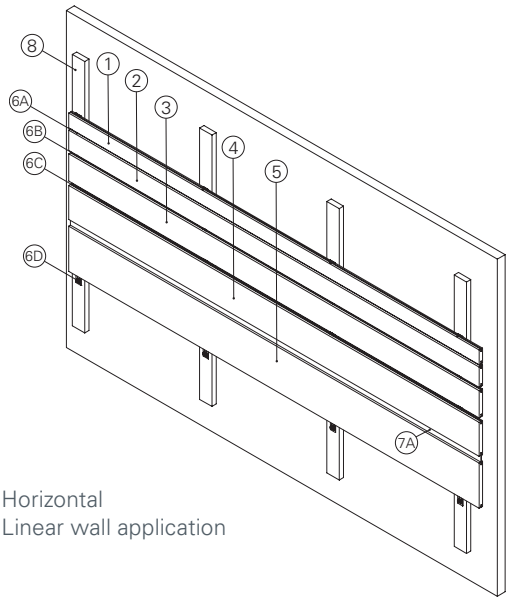
A+

TYPICAL ISOMETRICS

1 = Linear Panel 65 mm
2 = Linear Panel 90 mm
3 = Linear Panel 120 mm
4 = Linear Panel 150 mm
5 = Linear Panel 200 mm
6A = Screw Clip (10 mm Reveal)
6B = Screw Clip (15 mm Reveal)
6C = Screw Clip (20 mm Reveal)
6D = Screw Clip (30 mm Reveal)
7A = HDF strip
8 = Substructure (Non-HD)

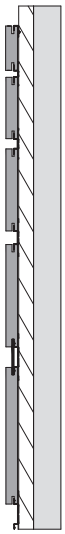


Vertical
Linear wall application



Horizontal
Linear wall application

TYPICAL SECTIONS



Horizontal + Vertical Linear wall application

PHYSICAL DATA

B-s2,d0 According to EN 13501-1

Up to α_w 0.50
See page 363

Acoustic cloth
Black

10.0 - 15.0 kg/m²

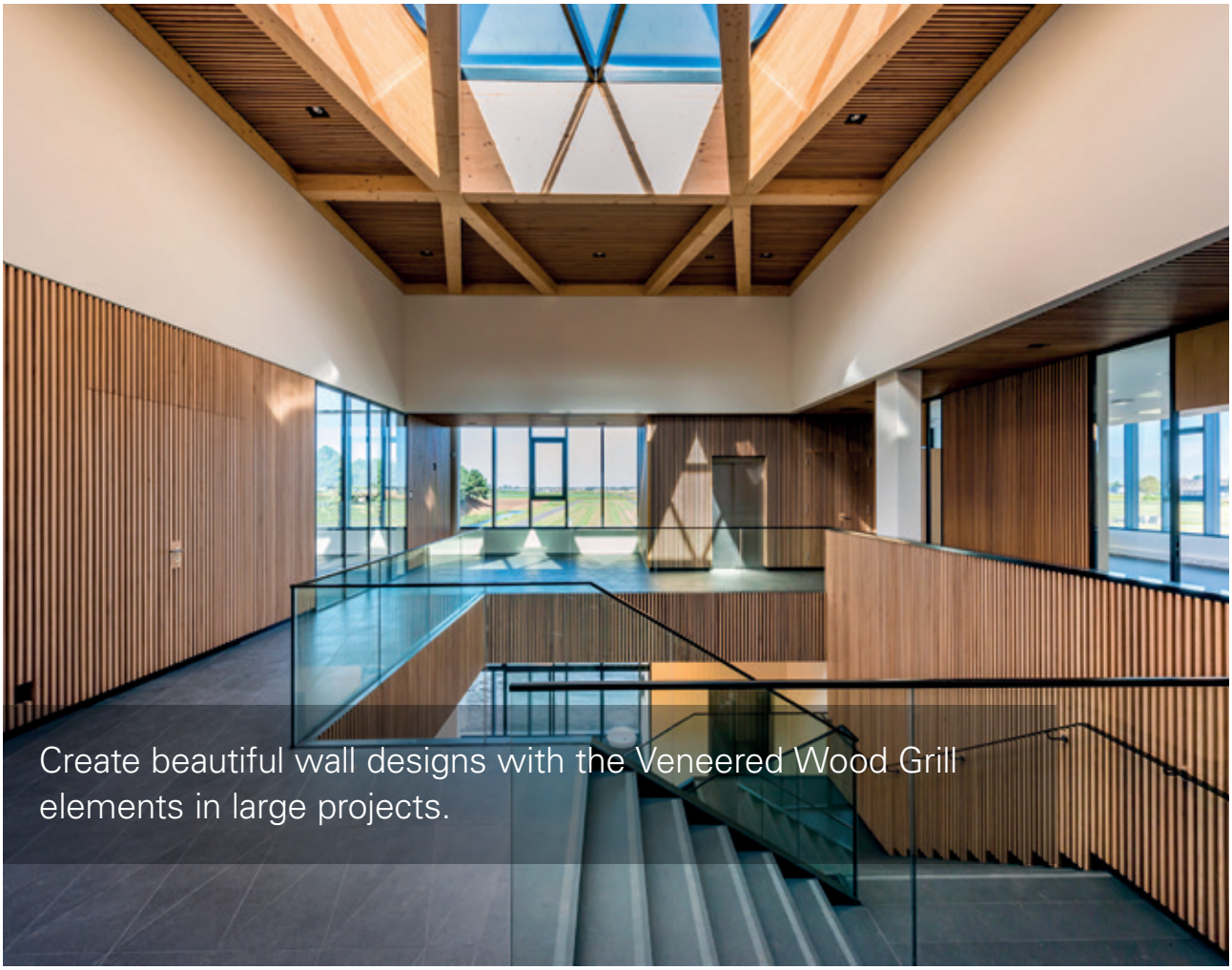
Moist cloth

OPTIONAL

Colours:
See page 306

Ceiling solutions:
See page 54-59

VENEERED WOOD
GRILL



Project: De Keukenhof, Lisse, The Netherlands - Product: Veneered Wood Grill, European Oak - Architect: Mecanoo Architects

KEY FEATURES

- Interior applications
- Pre-assembled grill elements connected with metal dowel or wooden backer
- MDF core finished with wood veneer
- Fire retardant and moisture resistant solutions
- Add acoustical wool for increase sound absorption
- Staining possibilities
- Variety of organic or engineered wood veneers, FSC or PEFC certified
- Installation directly on substructure (non HD) or wall
- Element length: standard 2400 mm
- Element width: varies between 300 to 500 mm
- Slat width: 17 / 25 / 31 / 39 mm
- Slat height: 50 - 150 mm
- Slat gaps: varies
- Other sizes and dimensions are available upon request

Note: Grill dimensions may be restricted due to weight or may require reinforced mounting

FSC
The mark is responsible forestry

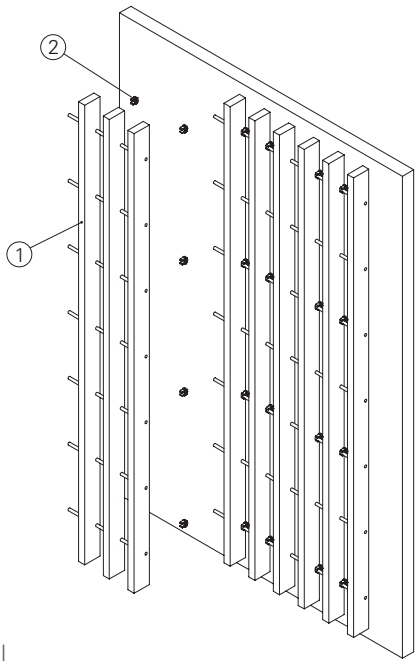
PEFC
Promoting sustainable forest management www.pefc.org

EN 13964
E1

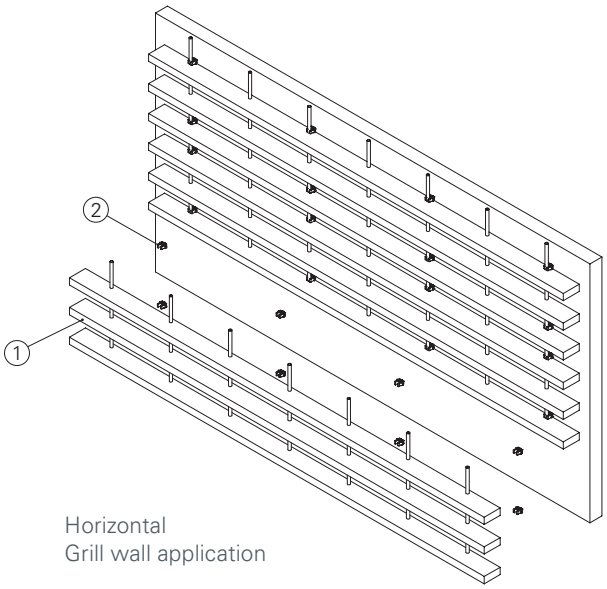
A+ A B C
A+

TYPICAL ISOMETRICS

1 = Veneered Wood Grill Element
2 = Wall clip (PVC)

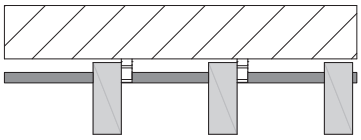


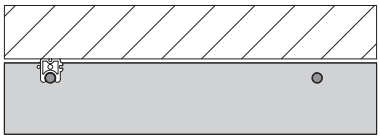
Vertical
Grill wall application



Horizontal
Grill wall application

TYPICAL SECTIONS





PHYSICAL DATA

B-s2,d0 According to EN 13501-1

Up to α_w 0.50
See page 363

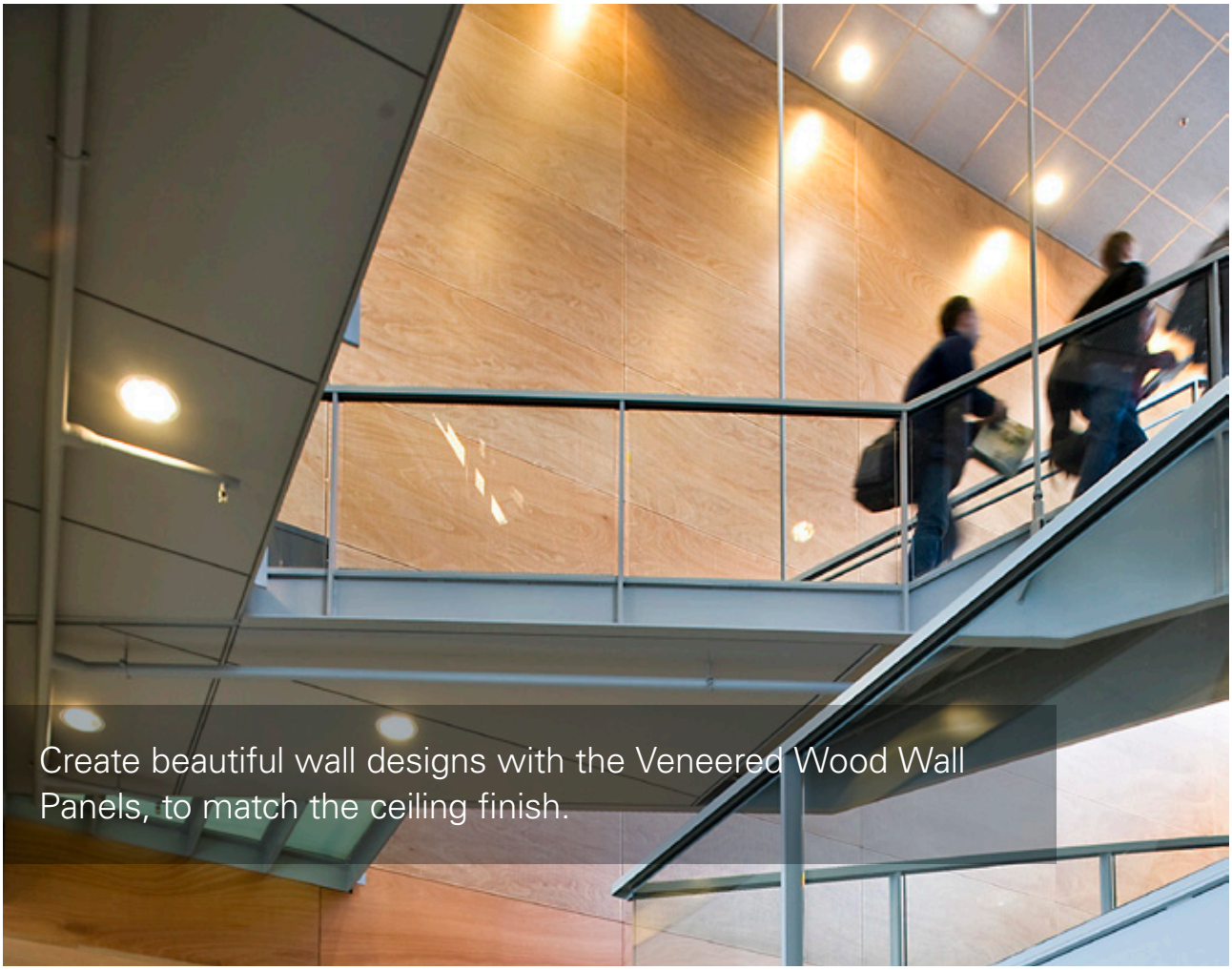
10.0 - 15.0 kg/m²

Moist cloth

OPTIONAL

Colours:
See page 306

Ceiling solutions:
See page 60-65



Project: NHL Hogeschool, Leeuwarden, The Netherlands - Product: Veneered Wood Wall, okoumé - Architect: Herman Hertzberger

KEY FEATURES

- Interior applications
- Acoustic wall panels
- Two edge details: straight edge or bevelled edge
- MDF core finished with wood veneer
- Various perforations with different acoustic performances and designs
- Fire retardant and moisture resistant solutions
- Staining possibilities
- Variety of organic or engineered wood veneers, FSC or PEFC certified
- Installation with the use of metal screw clips
- Closed or 5 / 10 / 15 / 20 / 25 / 30 mm open joints
- Joints can be filled with acoustic strip or HDF strip in various colours
- Dimensions: 600 x 600 / 1200 x 600 / 1800 x 600 mm / 2400 x 600 mm / 2780 x 600 mm
- Perforations: Single / Double / Nano perforation patterns
- Other sizes and dimensions are available upon request

The mark is responsible forestry

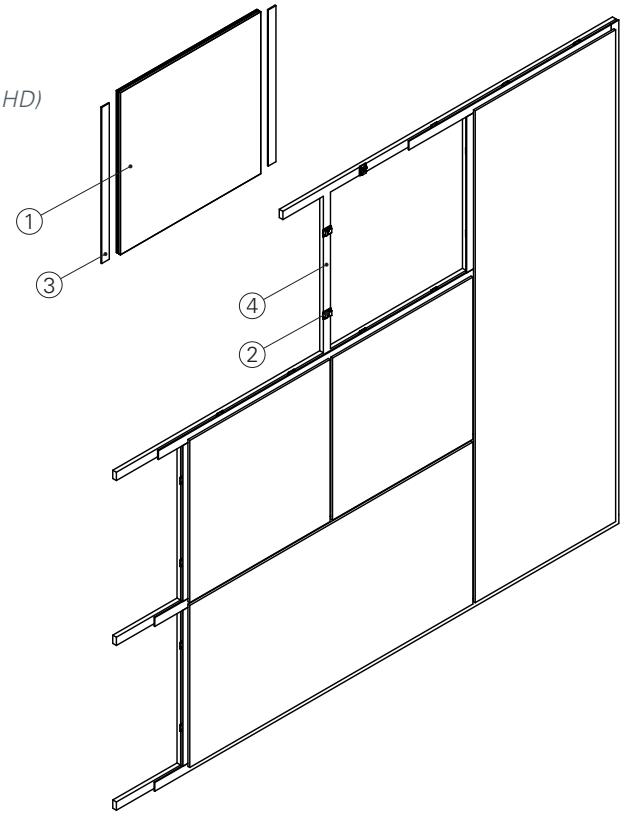
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EN 13964
E1

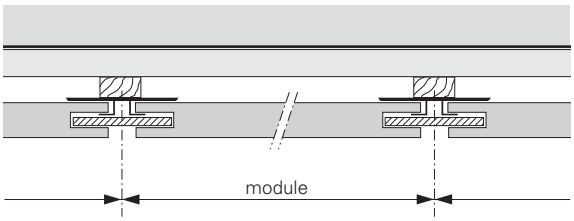
A+

TYPICAL ISOMETRICS

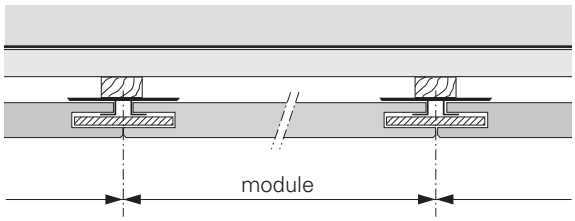
1 = Wall Panel
2 = Metal screw clip
3 = Acoustic or solid infill strip
4 = Wooden or metal substructure (non HD)



TYPICAL SECTIONS



Wall panel type Standard:
an open joint system with straight edge



Wall panel type Trend:
a closed joint system with beveled edge

Standard gap sizes:
5 / 10 / 15 / 20 / 30 mm

PHYSICAL DATA

Plain : B-s1,d0
Perf : B-s2,d0

Up to α_w 0.95
See page 362

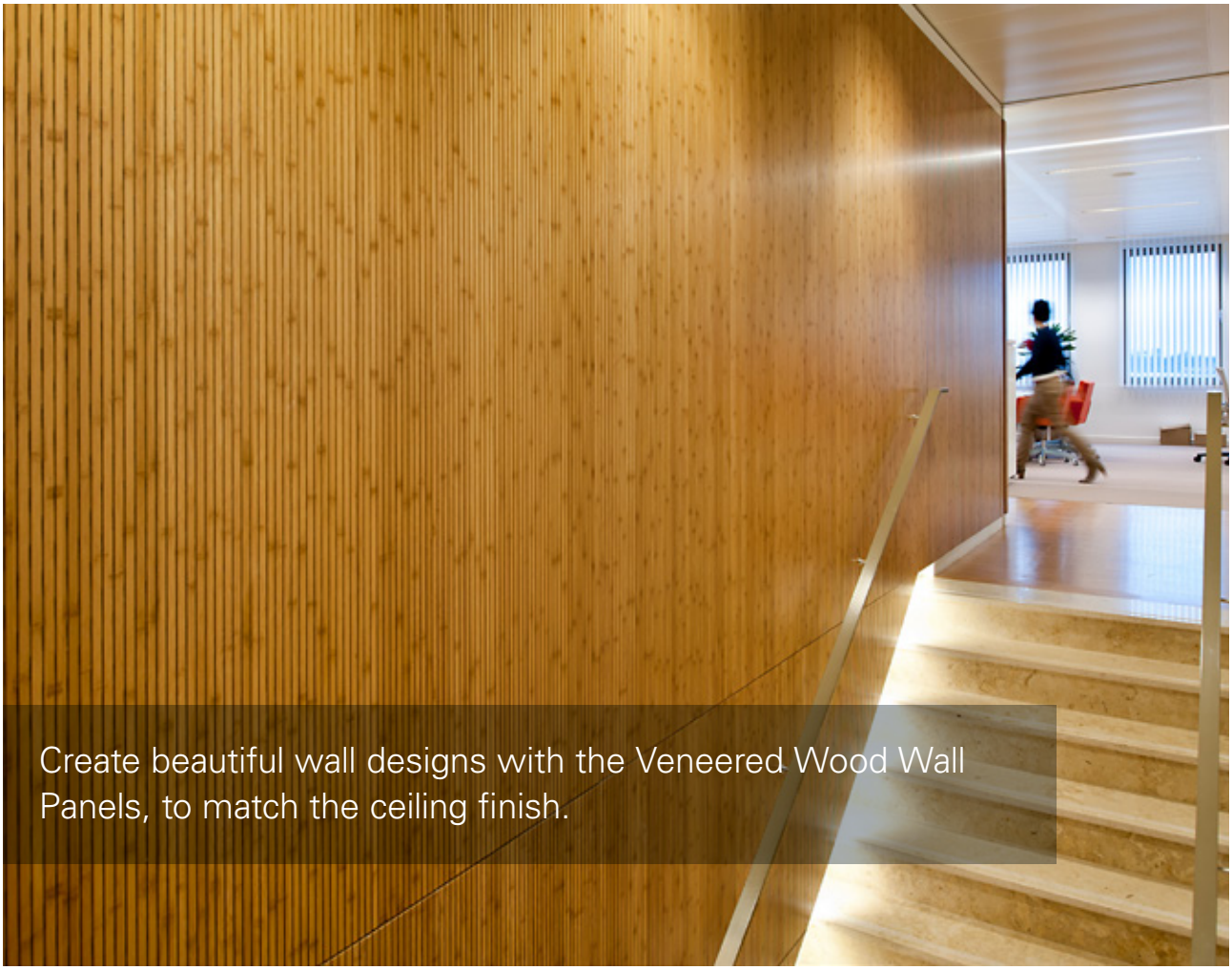
10.0 - 15.0 kg/m²

Moist cloth

OPTIONAL

Colours:
See page 306

Ceiling solutions:
See page 66-75



Project: Rabobank, Doetinchem, The Netherlands - Product: Topline TLS 13/3, bamboo - Architect: AWG Architecten

KEY FEATURES

- Interior applications
- High performance sound absorbing panels
- Pre-applied acoustic non-woven material on reverse side
- MDF core finished with wood veneer
- Various slotted perforations with different acoustic performances and designs
- Fire retardant and moisture resistant solutions
- Staining possibilities
- Variety of organic or engineered wood veneers, FSC or PEFC certified
- Installation directly on substructure (non HD)
- Fixing with metal screw clips
- Tongue and groove connection to create uniform appearance
- Horizontal, vertical or diagonal direction
- Dimensions: standard 128 / 256 mm x 2400 mm
- Panel thickness: 17 mm
- Other sizes and dimensions are available upon request

The mark is responsible forestry

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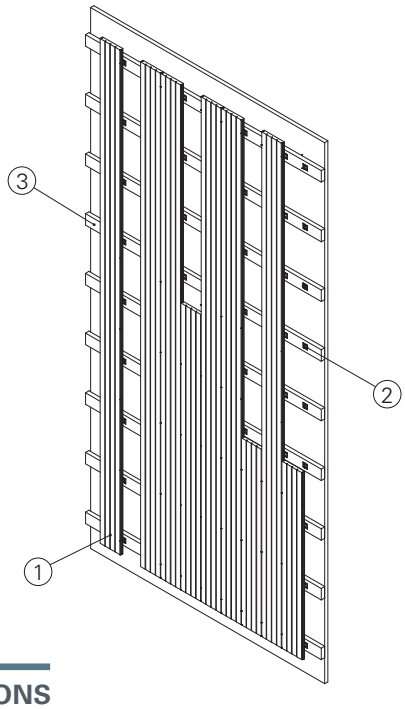
EN 13964
E1

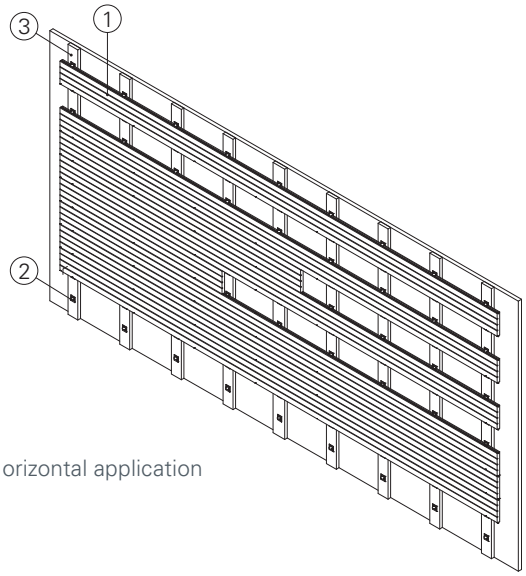
A+

TYPICAL ISOMETRICS

1 = Topline Panel 29/3 Module 128 mm
2 = Screw Clip
3 = Substructure (non HD)

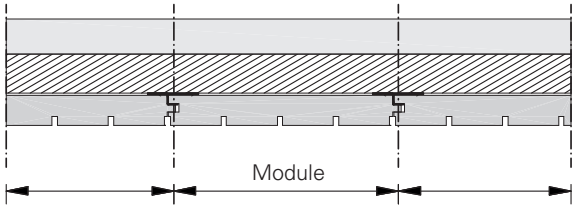
Vertical application





Horizontal application

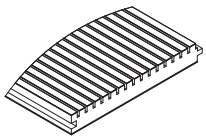
TYPICAL SECTIONS



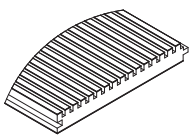
PERFORATION PATTERNS

Standard grooves shown. See page 359 to see all groove patterns.
Scale 1:1 shown, unless otherwise noted. See page 363 for acoustic information.

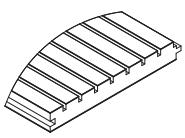
VIEW SIDES *(Scale 1:5)*



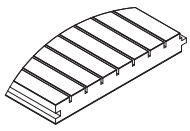
Topline 6/2
Plain 6 mm
Groove 2 mm
Openness 25%



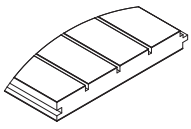
Topline 5/3
Plain 5 mm
Groove 3 mm
Openness 25%



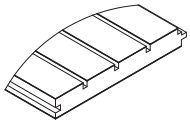
Topline 13/3
Plain 13 mm
Groove 3 mm
Openness 19%



Topline 14/2
Plain 14 mm
Groove 2 mm
Openness 13%



Topline 29/3
Plain 29 mm
Groove 3 mm
Openness 9%



Topline 28/4
Plain 28 mm
Groove 4 mm
Openness 13%

PHYSICAL DATA



Perf: B-s2,d0





Up to α_W 0.95



10.0 - 15.0 kg/m²



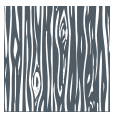
Moist cloth

OPTIONAL





Colours:
See page 306







Ceiling solutions:
See page 76

WOOD SPECIES

Hunter Douglas offers a wide choice of wood species and finishes. As wood is a 100% natural product, the images below can differ from actual samples or products. Please request a sample at your nearest sales office.

ORGANIC VENEERS

Organic veneer is a natural material sliced from tree logs without alterations or enhancements. This veneer types shows all the characteristics and intrinsic patterns of the tree, caused by the natural influences during his lifetime, making each veneer unique.

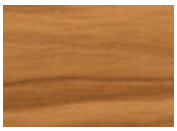

Birch


Spruce


Unsteamed Beech

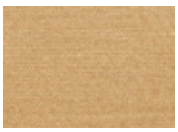

Steamed Beech


Sycamore


Cherry


Ash


Basswood


Hemlock


Maple


Gaboon

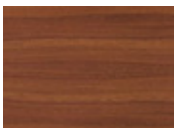

Zebrano


Bamboo Natural


Pine


Oak


Pear


Walnut


Chestnut

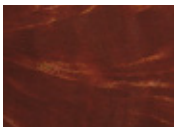

Yellow Poplar


Ayous


Red Oak


Bamboo Caramel


Teak


Sapeli Mahogany

Besides the wide range of Organic Veneers, Hunter Douglas also offers a selection of other finishes.

Engineered veneers
Engineered Veneer is a type of veneer that is known for their consistent appearance. Although Engineered Veneer is made from 100% wood, due to the special production process, a uniform look can be obtained.

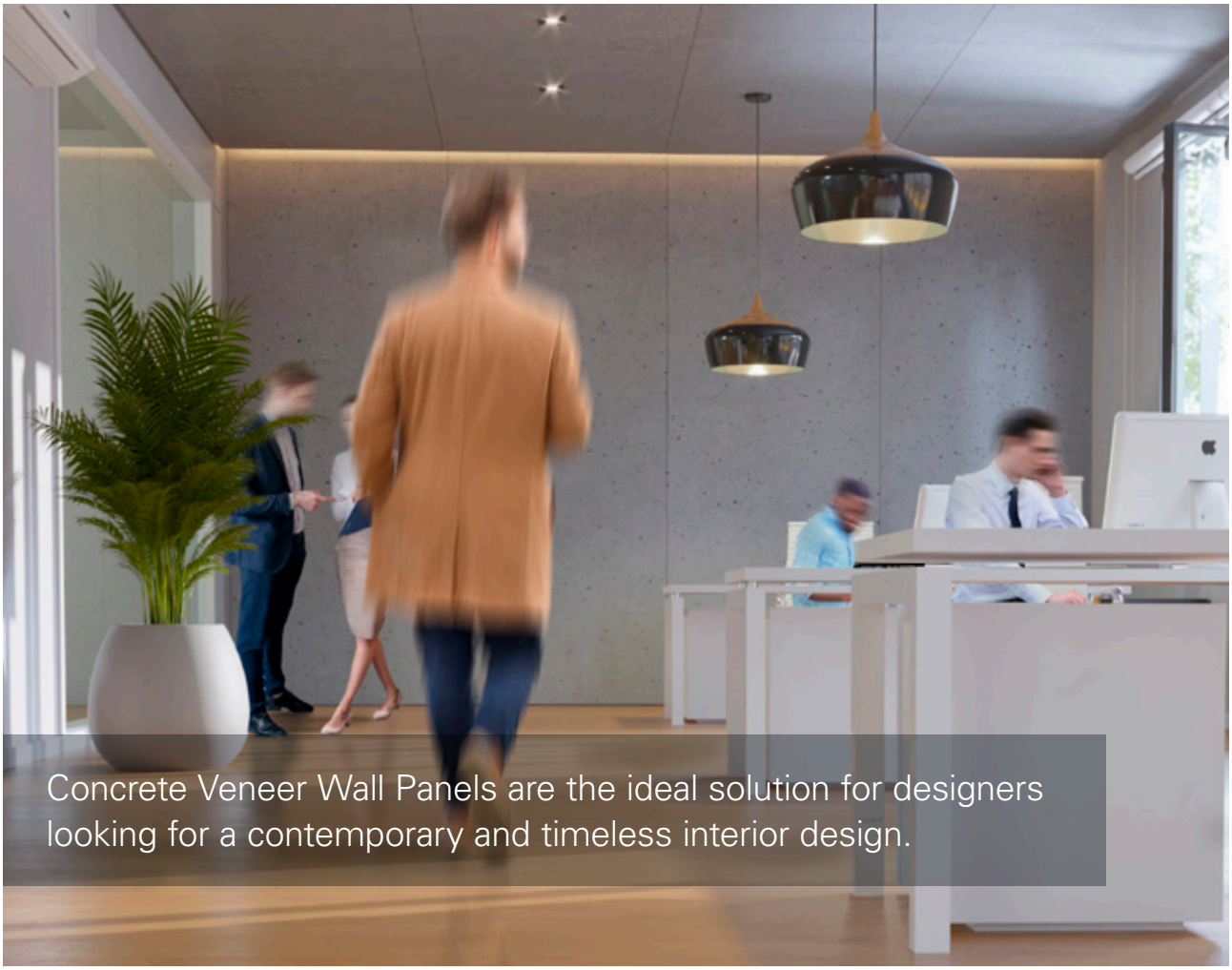
High Pressure Laminate
Hunter Douglas works with some of the worlds leading HPL manufacturers. In most cases, we are able to apply HPL instead of veneer, to match other finishes in your project.

RAL Finishes
We offer the possibility to have the products finished in any RAL colour.

For more information, please contact your local sales office.



Project: Arcus College, Heerlen, The Netherlands - Product: TOPLINE TTA 28/4, RAL white - Architect: IAA Architecten



Product: Concrete Veneer Ceiling and Wall panels - Material: Original

KEY FEATURES

- Interior applications
- Durable 16 mm MDF core material
- 1.5 mm real cement finish
- 5 concrete finishes
- Lightweight
- Fire retardant and moisture resistant solutions
- Easy installation and demounting in standard T 24 grid
- Concealed edge detail
- Available as wall and ceiling panels
- Standard lengths: 600 / 1200 / 2400 / 3000 mm
  Standard widths : 600 / 1200 mm
- Other sizes and dimensions are available upon request
- Optionally foreseen with hardly visible nano perforation for high level acoustic performance

FSC
The mark is responsible forestry

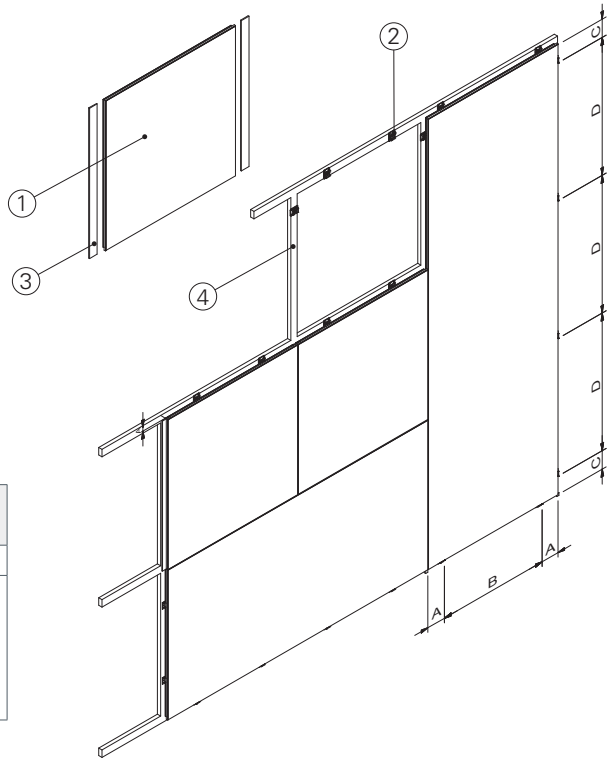
PEFC
Promoting sustainable forest management www.pefc.org

EN 13964
E1

A+ A B C
A+

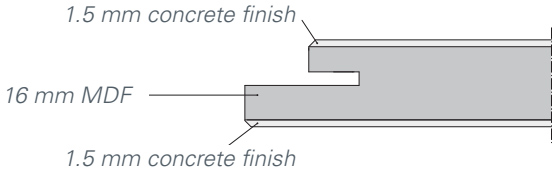
TYPICAL ISOMETRICS

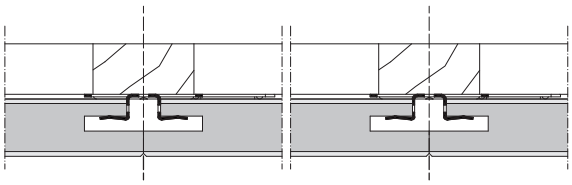
1. Concrete Veneer Ceiling Tile
2. CL 24-38 Main runner or
CL 24-38 Stepped T profile 3600 mm
3. QL 24-38 Main runner /
CL 24-60 Stepped Main runner 3600 mm
4. Cross Lock connection bracket
5. Quick hanger



Concrete Veneer Wall Panel	Max. Main runner span			
Panel size (LxW)	**A**	**B**	**C**	**D**
Standard: 600 x 600/1200 mm 1200 x 600/1200 mm 2400 x 600/1200 mm 3000 x 600/1200 mm	75	450	75	600

TYPICAL SECTIONS





Note: The edges can be finished with real concrete banding or matching melamine.

PERFORATION PATTERNS

Scale 1:1 shown, unless otherwise noted. See page 363 for acoustic information.



Nano Perforations

In case the panel is perforated, a layer of sound absorbing nonwoven will be added. Contact your sales contact for latest perforation patterns overview and acoustic performance.

PHYSICAL DATA

Plain : B-s1,d0

Up to α_W 0.50

Plain : 15.0 kg/m²
Perforated : 12.0 kg/m²

Moist cloth

OPTIONAL

Colours:
See page 310

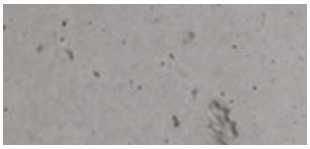
Ceiling solutions:
See page 84

VENEER SPECIES

Hunter Douglas Concrete Veneer panels are available in 5 finishes, ranging from lighter to darker tones. These finishes all include the natural imperfections such as colour variations, small cracks and holes, which make concrete panels lively and unique., the images below can differ from actual samples or products. Please request a sample at your nearest sales office.

LOOKS AND FEEL

Shrinkage cavities, colour hues, fine cracks - features typical of concrete - are the hallmarks that set our Concrete Veneer panels apart. Once processed, it is undistinguishable from solid concrete. The look and touch are the same as 'real' concrete. Quality that you can see and feel in every last detail is what makes this product truly exceptional.
Concrete as a lightweight panel for a wide range of interior design applications.



Shrinkage cavities
Typical air voids, deep structure, original aesthetics, a feature typical of concrete.



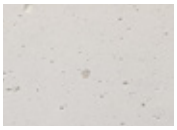
Hairline cracks
Occasional hairline cracks are typical of concrete.



Colour fluctuations
Random colouring takes place by the cement, various nuances are intended and authentic.

CONCRETE VENEERS

Concrete Veneer panels are available in a variety of finishes and shades from natural white all the way to dark graphite.



Natural White



Stone Grey



Original



Vintage



Dark Graphite



Product: Concrete Veneer Ceiling and Wall panels - Material: Original



Project: Amity University Dubai, UAE - Product: Veneered Wood Ceiling and Wall Panels, American Cherry, Nano perforation - Architect: IR Design





Project: Mahler 4, Amsterdam, The Netherlands
Architect: De Architecten Cie
Product: Solid wood linear open sports ceiling

SPORTS CEILINGS

Our ceiling systems for sports halls combines quality with a specific appearance. The ceilings can withstand direct impact from balls used for indoor sports.













Project : Swimming pool, Stein, The Netherlands
Architect: O&B
Product : 70U Linear ceiling

"A SPECIAL CEILING USED IN A HUMID ENVIRONMENT AND READY FOR IMPACT"

The swimming pool in the town of Stein, the Netherlands, is located next to the Stein town hall. The complex replaces the former municipal swimming pool from the '70s of the 20th century which is demolished. The architect office O&Bs has been selected for the execution of the architectural and consultancy work for the new construction of this public swimming pool based on a European tendering procedure with 36 registrations.

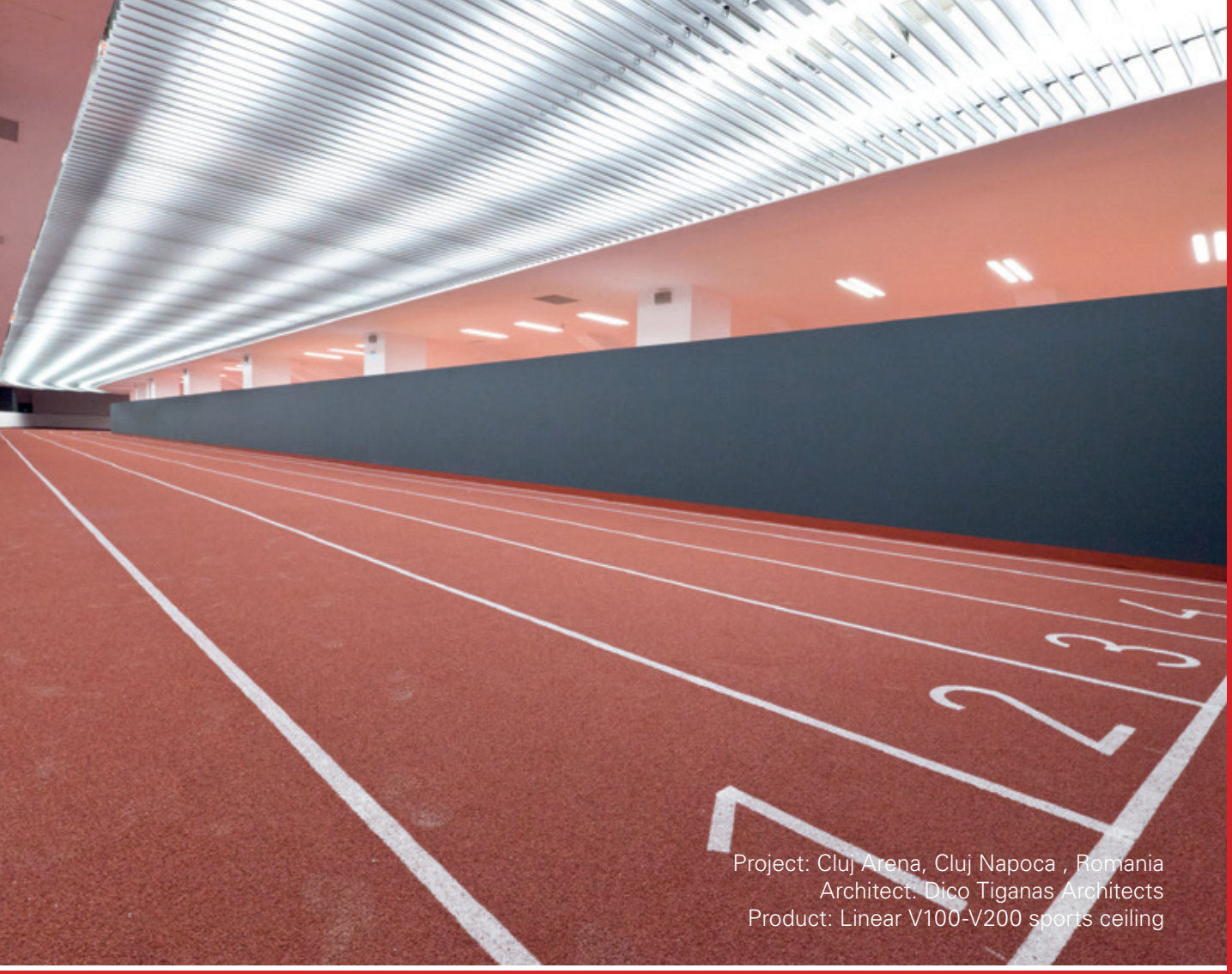
The swimming pool complex consists of:

- A new indoor swimming pool, with a 25 m competition pool, an instruction pool, a toddler pool and associated spaces.
- An entrance for both the outdoor swimming pool and the Steinerbos recreation park.
- Renovation of the existing outdoor swimming pool, including the new construction of changing rooms, toilets, showers and a catering building.

The building fits in with the park-like environment, the park panorama is visible in the swimming pool. From the bath water it looks like you are swimming in the middle of nature; the changing colours of the seasons pass by the swimmers and visitors. The ceiling is made of the Hunter Douglas aluminium Linear 70U panels which can be used in a humid environment and are tested to withstand impact from ball sports.



Project: Ronald Mc Donald Centre, Amsterdam, The Netherlands
Architect: FACT Architects
Product: Stretch metal planks sports ceiling



Project: Cluj Arena, Cluj Napoca , Romania
Architect: Dico Tiganas Architects
Product: Linear V100-V200 sports ceiling

SPORTS CEILINGS

HEARTFELT® LINEAR 320

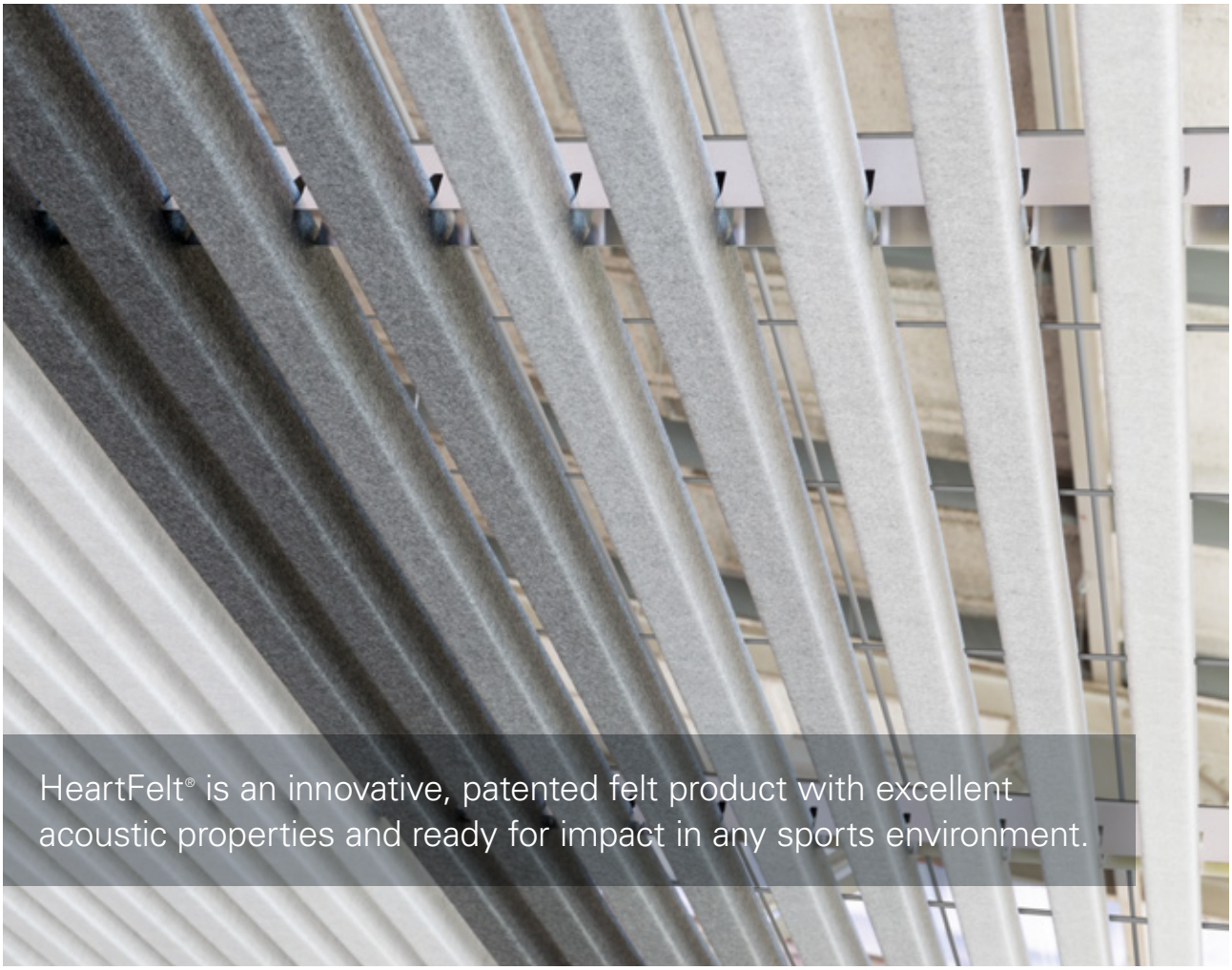
SOLID WOOD 324

VENEERED WOOD 330

METAL 70U 336

BETA SAFETY-LOOP 340

GAMMA 344



KEY FEATURES

- Modular ceiling system with felt panels
- Panel dimensions 40 x 55 mm
- Panel length 1000 to 6000 mm
- Tested: carrier module M60
- Easy plenum access
- Interior applications
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

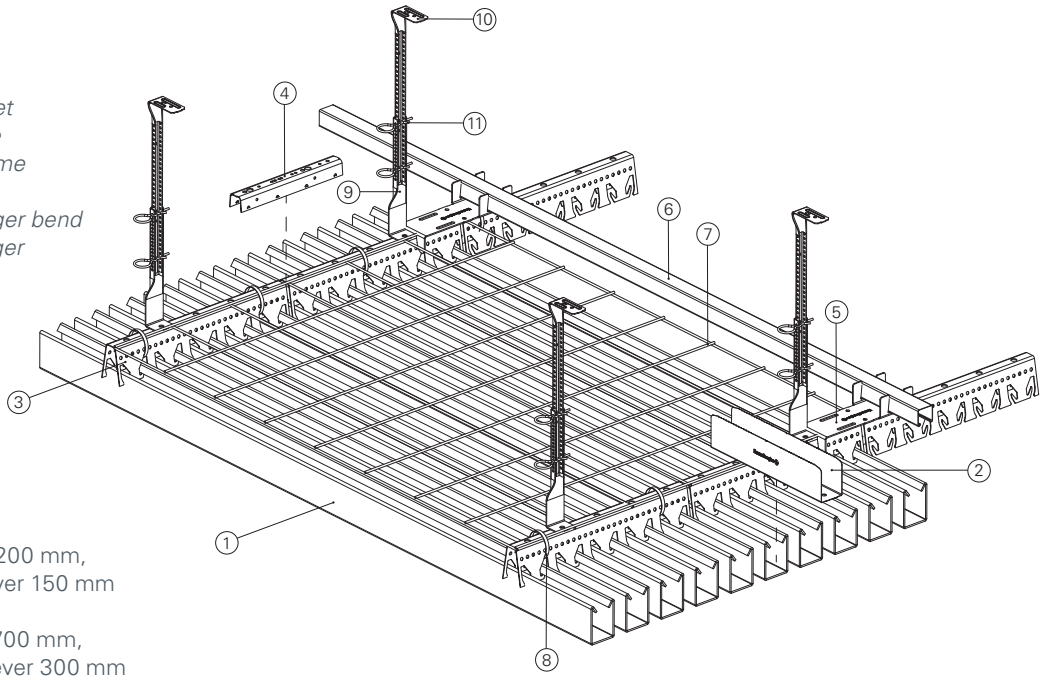
reddot award 2017
best of the best

EN 13964
E1

A+

TYPICAL ISOMETRICS

1 = Panel 40HL55
2 = Panel splice
3 = Carrier
4 = Carrier splice
5 = Stabilisation bracket
6 = Stabilisation profile
7 = Reinforcement frame
8 = Tiewrap steel
9 = Lower nonius hanger bend
10 = Upper nonius hanger
11 = Locking clip

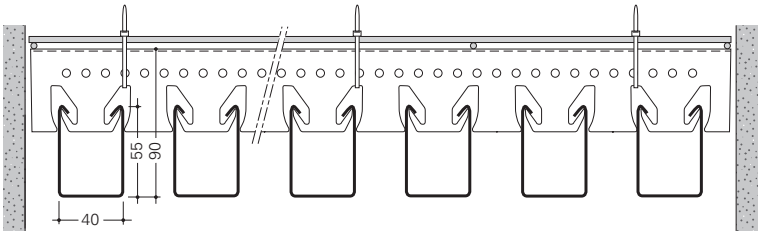


Maximum panel span 1200 mm,
maximum panel cantilever 150 mm

maximum carrier span 700 mm,
maximum carrier cantilever 300 mm

Stabilisation profiles 3000 mm ctc

TYPICAL SECTIONS



ACOUSTICS

See page 360 for acoustic performance information

PHYSICAL DATA

B-s1,d0

Varies with colour

40HL55 M50:
α_W = 0.70 m² (H)

40HL55 M50:
4.6 kg/m²

Class B

Class 1A

OPTIONAL

Colours:
See page 322

Wall apllication
see page 288

COLOURS

Colours are for illustration purposes only.

SHADES OF GREY


White
7593


Light Grey
7596


Middle Grey
7597


Dark Grey
7598


Black
7594

EARTH TONES


Creme
7575


Light Brown
7576


Medium Brown
7577


Dark Brown
7578


Umber
7579

ACOUSTICAL RATINGS - α_w

Panel 40HL55

Module (mm)	Joint (mm)	Openness %	α_w
M60	20	33%	0.65 (H)



SOLID WOOD
LINEAR INDIVIDUAL



Project: Kenwick Park Hotel, Louth, Lincolnshire, United Kingdom - Product: Solid Wood Linear open ceiling - Architect: Franklin Ellis Architects

KEY FEATURES

Sport hall applications, certified according to DIN 18032 Part 3 and EN 13964 Annex D

- Three ceiling solutions: Linear Open, Multi-panel & Linear Closed, fixed or 50% demountable
- Panel widths from 63 mm up to 184 mm
- Mixed length with a minimum of 900 mm, manufactured inclusive tongue and groove connection. Fixed length on request
- Panel thickness from 15 up to 20 mm
- Available in different modules and joint width
- With the multi-panel system various widths can be combined to create a dynamic look and feel
- Other sizes are available upon request
- The standard colours of the non woven tissue between the joint is black, white or grey. Other options on request
- Quick and invisible mounting according to a fixed pattern due to the specially developed fixing method
- Budgetary flexibility due over 15 wood species within various price categories
- High-quality finishing against moisture, dust and dirt. Transparent or wide range of colours available
- Curved, undulating and special shapes possible
- Special system coatings available for humid area application
- Compatible with industry standard lighting, HVAC, speaker, fire safety and security services
- Certified: FSC, PEFC, Cradle to Cradle silver
- Integral guarantee for support systems, wood, finish and fire retardance
- Contribution to obtaining credits within BREEAM and LEED

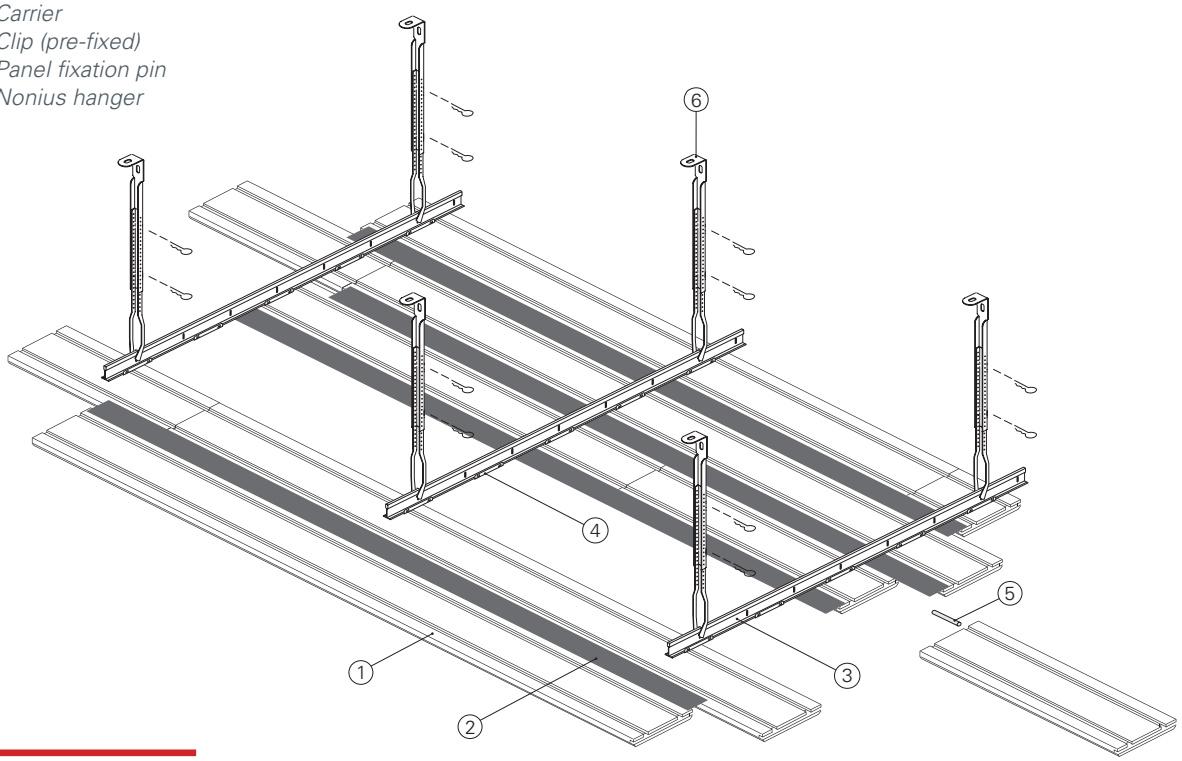
Produced and certified by Derako International

EN 13964
E1

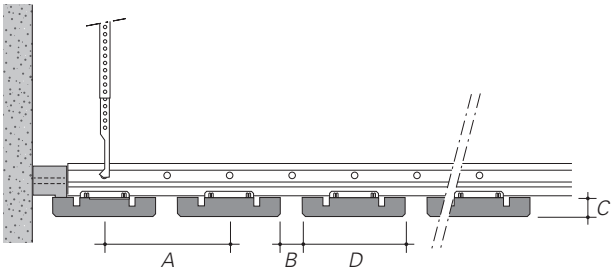
A+

TYPICAL ISOMETRICS

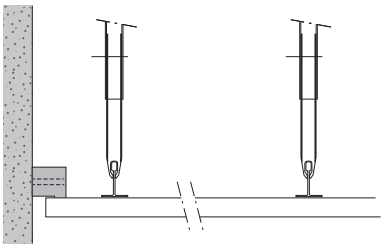
1 = Solid Wood Linear panel
2 = Pre-applied acoustic non woven tissue
3 = Carrier
4 = Clip (pre-fixed)
5 = Panel fixation pin
6 = Nonius hanger



TYPICAL SECTIONS



A = Module
B = Joint
C = Panel thickness
D = Panel width



PHYSICAL DATA

B-s2,d0 According to EN 13501-1

α_W 0.30 - 0.50
See page 363

5.0 - 12.0 kg/m²ᵛ

Moist cloth

Class 1A

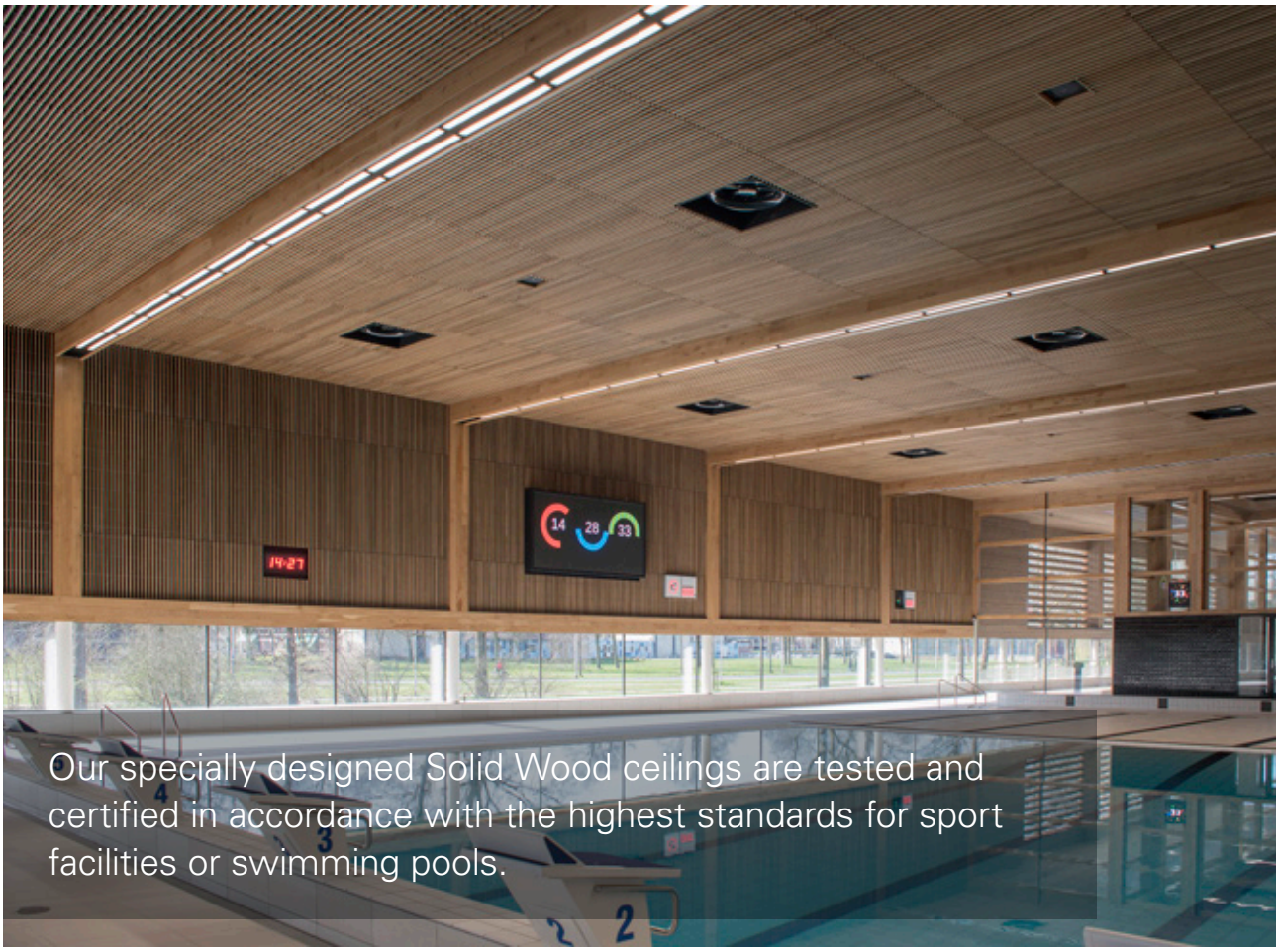
OPTIONAL

Acoustic cloth
Black

Colours:
See page 328

Wall solutions:
See page 292

SOLID WOOD
GRILL ELEMENT



Project: Swimming pool De Steur, Kampen, The Netherlands - Product: Solid Wood Grill - Architect: VenhoevenCS Architecture + Urbanisme

KEY FEATURES

- Made to measure wooden ceiling solution. Design the sizes of the slats and the distance between the slats. Together this will form the Grill element
- The slat thickness can be between 15 mm and 35 mm, depending per wood specie.
- The slat height can be between 35 mm and 140 mm, depending per wood specie
- The distance between the slats can be 25 mm until 140 mm
- The length of the assembled grill elements will be determined by the structural conditions. This can vary between 590 mm and 3590 mm, depending on the available raw material
- The Grill element is available with 12 mm or 20 mm dowel. The standard colour is black, other colours are on request
- Easily and individually demountable
- Budgetary flexibility due over 15 wood species within various price categories
- Optionally supplied with acoustic non woven tissue cut to size of the panel
- High-quality finishing against moisture, dust and dirt. Transparent or wide range of colours available
- Curved, undulating and special shapes possible.
- Compatible with industry standard lighting, HVAC, speaker, fire safety and security services
- Certified: FSC, PEFC, Cradle to Cradle silver
- Integral guarantee for support systems, wood, finish and fire retardance
- Contribution to obtaining credits within BREEAM and LEED

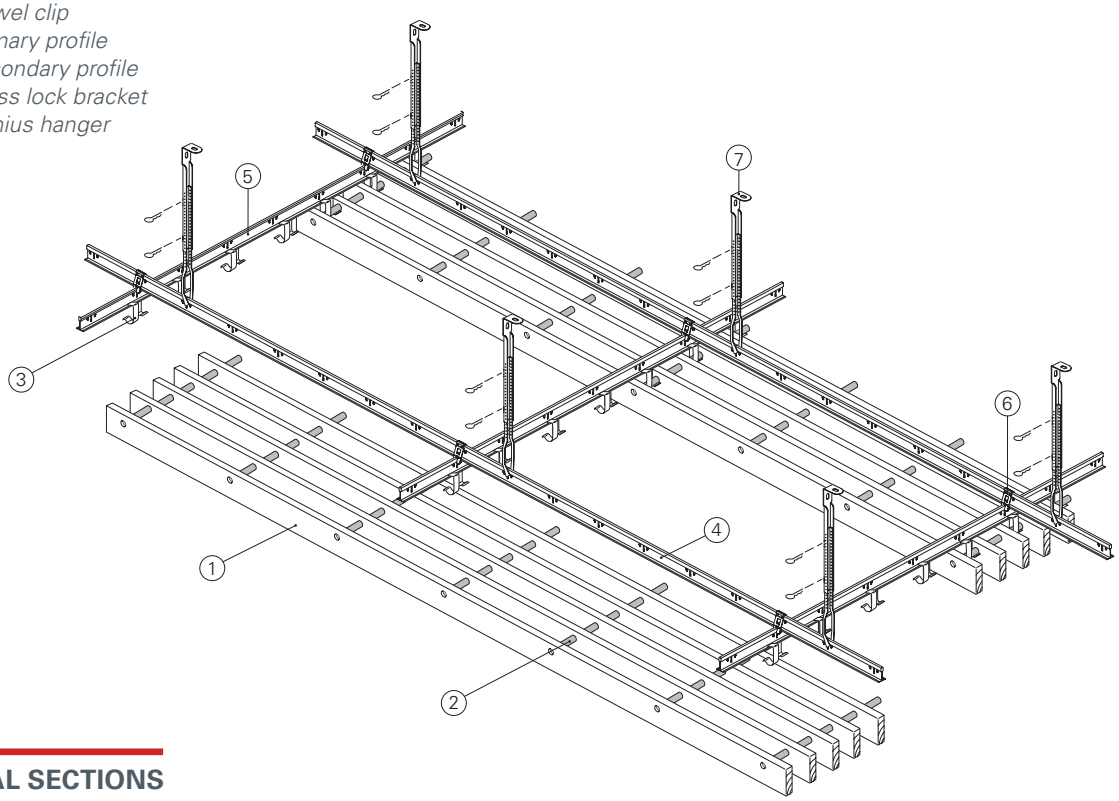
Produced and certified by Derako International

EN 13964
E1

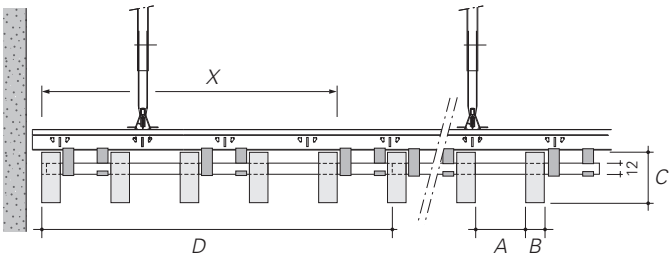
A+

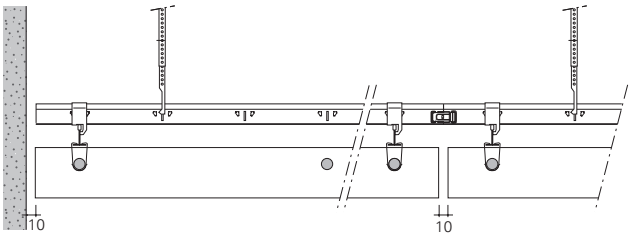
TYPICAL ISOMETRICS

1 = Solid Wood Grill Element
2 = Aluminium dowel
3 = Dowel clip
4 = Primary profile
5 = Secondary profile
6 = Cross lock bracket
7 = Nonius hanger



TYPICAL SECTIONS





A = Joint
B = Slat thickness
C = Slat height
D = Element width
X = Amount of slats

PHYSICAL DATA

B-s2,d0 According to EN 13501-1

α_W 0.30 - 0.50
See page 363

5.0 - 12.0 kg/m²

Moist cloth

Class 1A

OPTIONAL

Acoustic cloth
Black

Colours:
See page 328

Wall solutions:
See page 294

WOOD SPECIES AND FINISHES

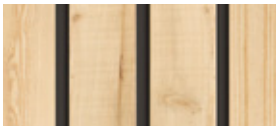
An extensive range of wood species is available, ranging from deep warm colours to the light wood tones. Other types of wood possibilities can be looked at on request. Standard, the wood is finishes in a transparent varnish. Optionally a wide range of colour is available. The finish adds a nice touch to the wood with the natural tones and structures of the wood being maintained. For each application the right system coating is determined that is necessary to protect the wood.

WOOD SPECIES


Accoya


American White Oak


African Ayous


Siberian Larch


Yellow Poplar


Yellow pine

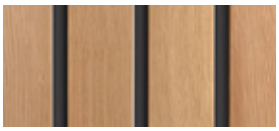

American Ash


European Pine

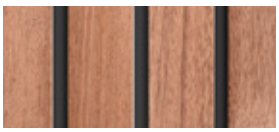

American Red Oak

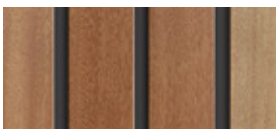

European Oak

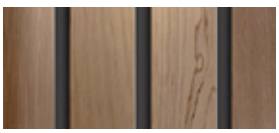

Cherry

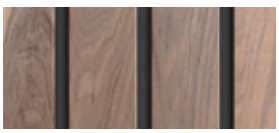

Oregon Pine


Cambara


Merbau

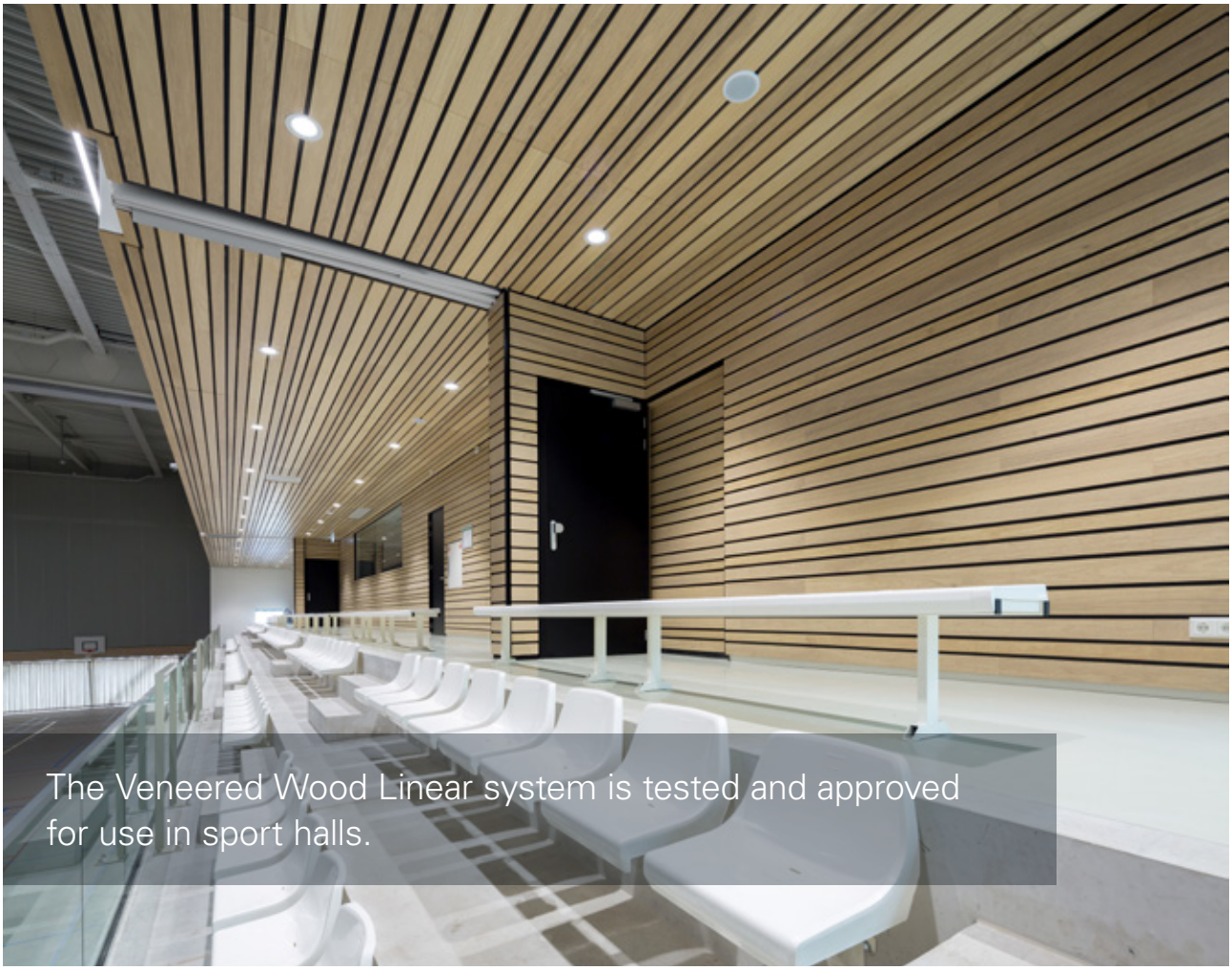

Mahogany


Western Red Cedar


American Walnut



Project: Freizeitbad Calivornia, Leverkusen, Germany - Product: Solid Wood Grill - Architect: Foest Architektur



Project: Sports hall, Amersfoort, The Netherlands - Product: Veneered Wood Linear

KEY FEATURES

- Interior Sports Hall applications
- Certified for safety against ball throwing DIN 18032 Class 1A
- MDF core with a wooden top layer
- Multi-panel layouts possible, combining different widths
- Fire retardant and moisture resistant solutions
- Acoustic fleece to fill gaps
- Staining possibilities
- Variety of organic or engineered wood veneers, FSC or PEFC certified
- Installation with nonius hangers
- Panel length: standard 2400 mm
- Panel width: 65 / 90 / 120 / 150 / 200 mm
- Joint width: 5 / 10 / 20 mm
- Panel thickness: 17 mm
- Other sizes and dimensions are available upon request

The mark is responsible forestry

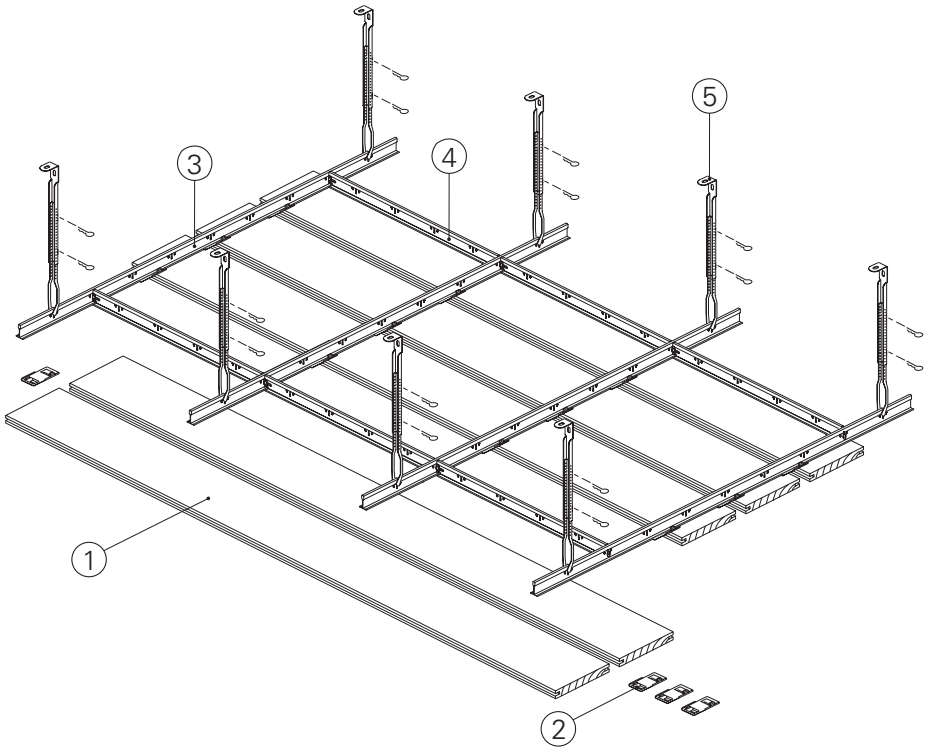
Promoting sustainable forest management www.pefc.org

EN 13964
E1

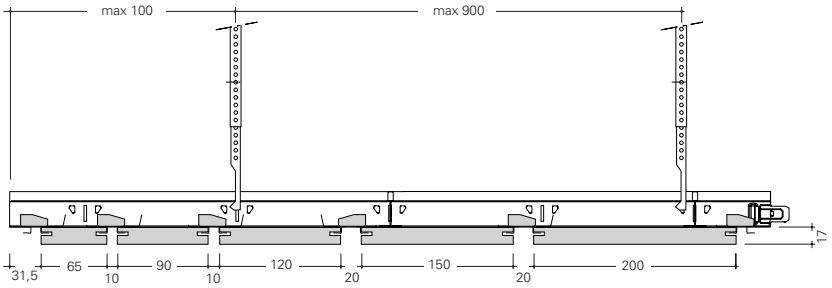
A+

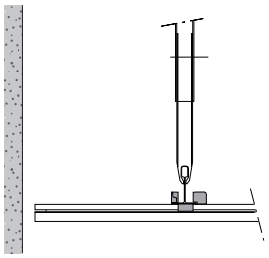
TYPICAL ISOMETRICS

1 = Veneered Wood Linear panel
2 = Turn clip
3 = Main runner
4 = Cross runner
5 = Nonius hanger



TYPICAL SECTIONS





PHYSICAL DATA







Up to α_W 0.50
See page 363



Acoustic cloth
Black



10.0 - 15.0 kg/m²



Moist cloth



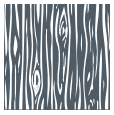
Class 1A

OPTIONAL





Colours:
See page 334

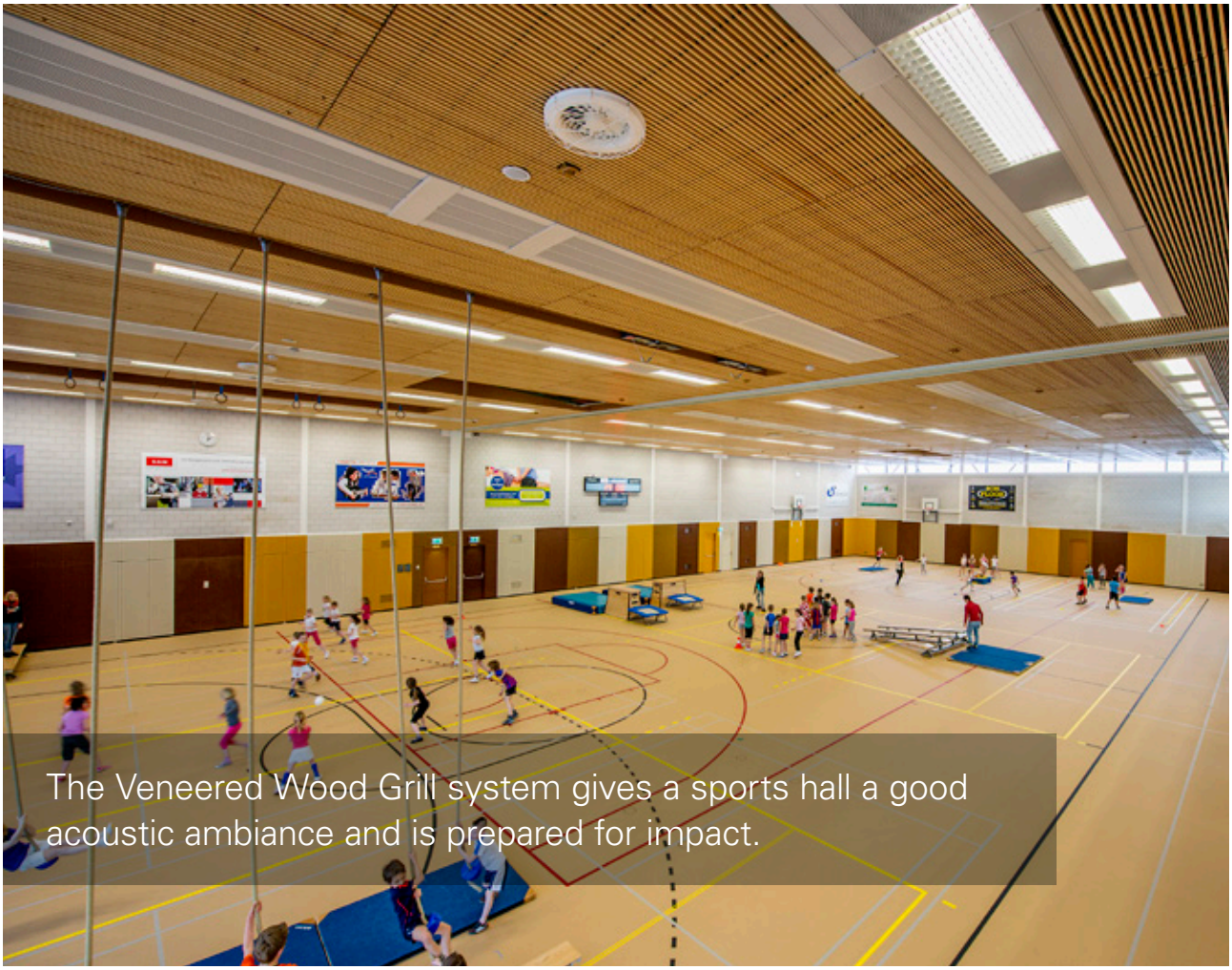






Wall solutions:
See page 298

VENEERED WOOD
GRILL



Project: Sports center De Streepen, Sint-Oedenrode, The Netherlands - Veneered Wood Grill - Architect: Rienks Architecten

KEY FEATURES

- Interior applications
- Pre-assembled grill elements connected with metal dowel
- MDF core finished with wood veneer
- Fire retardant and moisture resistant solutions
- Add acoustical wool for increase sound absorption
- Staining possibilities
- Available as wall solution
- Variety of organic or engineered wood veneers, FSC or PEFC certified
- Easy installation and demounting in standard T 24 grid
- Element length: standard 2400 mm
- Element width: varies between 300 to 500 mm
- Slat width: 17 / 25 / 31 / 39 mm
- Slat height: 50 - 150 mm
- Slat gaps: varies
- Other sizes and dimensions are available upon request
- Note: Grill dimensions may be restricted due to weight or may require a reinforced substructure

FSC
The mark is responsible forestry

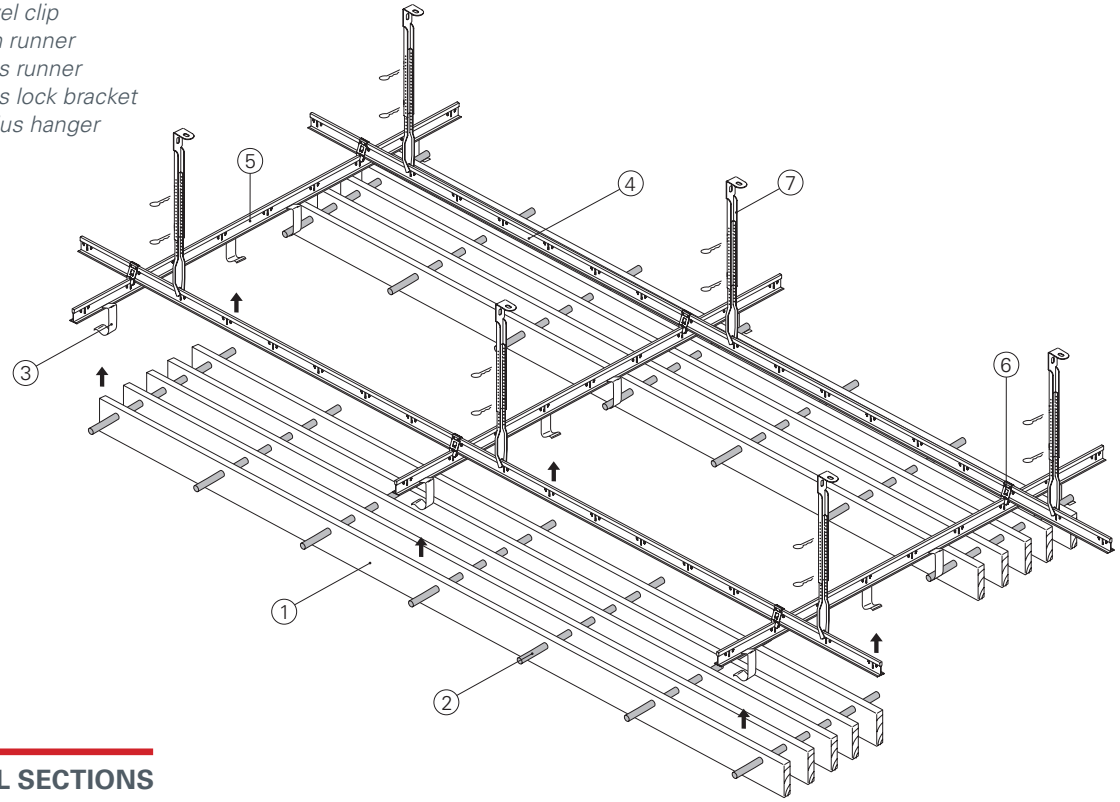
PEFC
Promoting sustainable forest management www.pefc.org

EN 13964
E1

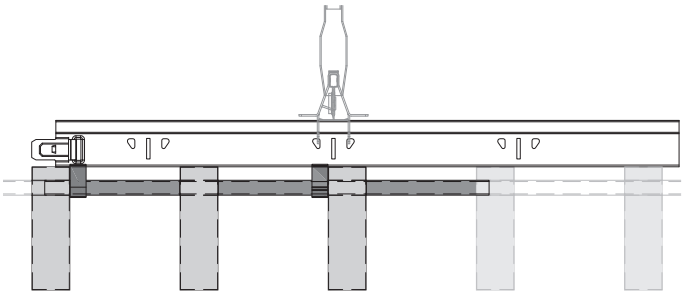
A+
A+

TYPICAL ISOMETRICS

1 = Grill Element
2 = Metal dowel
3 = Dowel clip
4 = Main runner
5 = Cross runner
6 = Cross lock bracket
7 = Nonius hanger



TYPICAL SECTIONS



PHYSICAL DATA

Plain: B-s2,d0

Up to α_W 0.50
See page 363

Acoustic cloth
Black

10.0 - 15.0 kg/m²

Moist cloth

Class 1A

OPTIONAL

Colours:
See page 334

Wall solutions:
See page 300

WOOD SPECIES

Hunter Douglas offers a wide choice of wood species and finishes. As wood is a 100% natural product, the images below can differ from actual samples or products. Please request a sample at your nearest sales office.

ORGANIC VENEERS

Organic veneer is a natural material sliced from tree logs without alterations or enhancements. This veneer types shows all the characteristics and intrinsic patterns of the tree, caused by the natural influences during his lifetime, making each veneer unique.

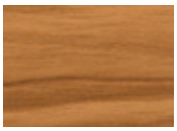

Birch


Spruce


Unsteamed Beech

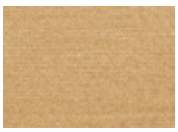

Steamed Beech


Sycamore


Cherry


Ash


Basswood


Hemlock


Maple


Gaboon

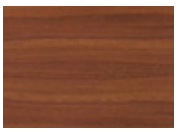

Zebrano


Bamboo Natural


Pine


Oak


Pear


Walnut


Chestnut

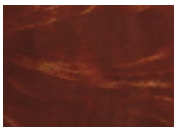

Yellow Poplar


Ayous


Red Oak


Bamboo Caramel


Teak


Sapeli Mahogany

Besides the wide range of Organic Veneers, Hunter Douglas also offers a selection of other finishes.

Engineered veneers
Engineered Veneer is a type of veneer that is known for their consistent appearance. Although Engineered Veneer is made from 100% wood, due to the special production process, a uniform look can be obtained.

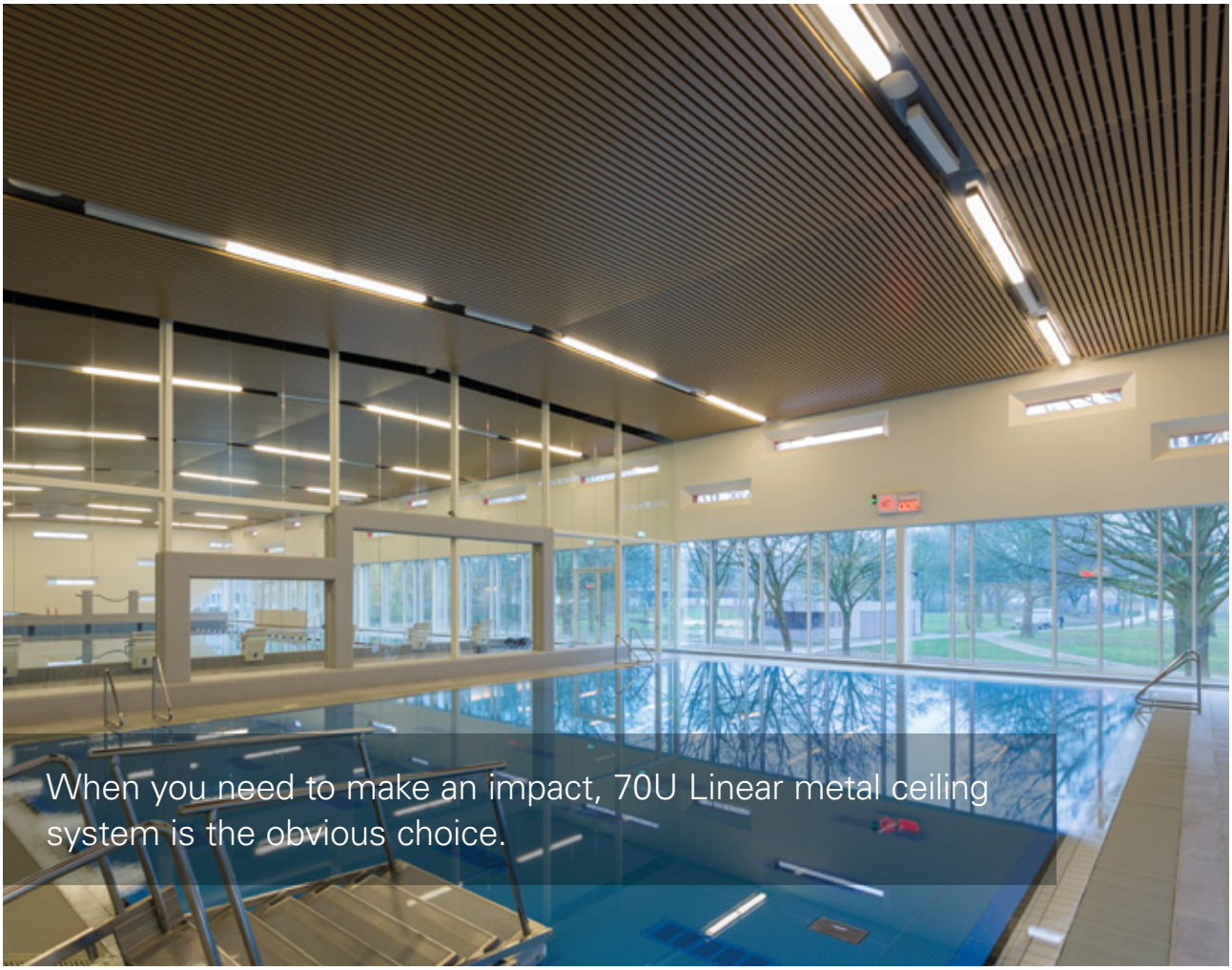
High Pressure Laminate
Hunter Douglas works with some of the worlds leading HPL manufacturers. In most cases, we are able to apply HPL instead of veneer, to match other finishes in your project.

RAL Finishes
We offer the possibility to have the products finished in any RAL colour.

For more information, please contact your local sales office.



Project: Vernier Paquebot, Geneva, Switzerland - Veneered Wood Grill (Backer and Dowel) - Architect: Bonhôte Zapata



Project: Swimming Pool Steinerbos, Stein, The Netherlands - Product: Linear 70U ceiling - Architect: Op 't Root en Beerts Architecten

KEY FEATURES

- Panel width: 70 mm, joint width 30 mm
- Panel length: 800 mm up to 6000 mm
- Panel depth 25 mm
- Square edge design
- Tested on ball impact resistance
- On site waste reduction with factory fabricated dimensional material
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

Production by Hunter Douglas Ceiling Center

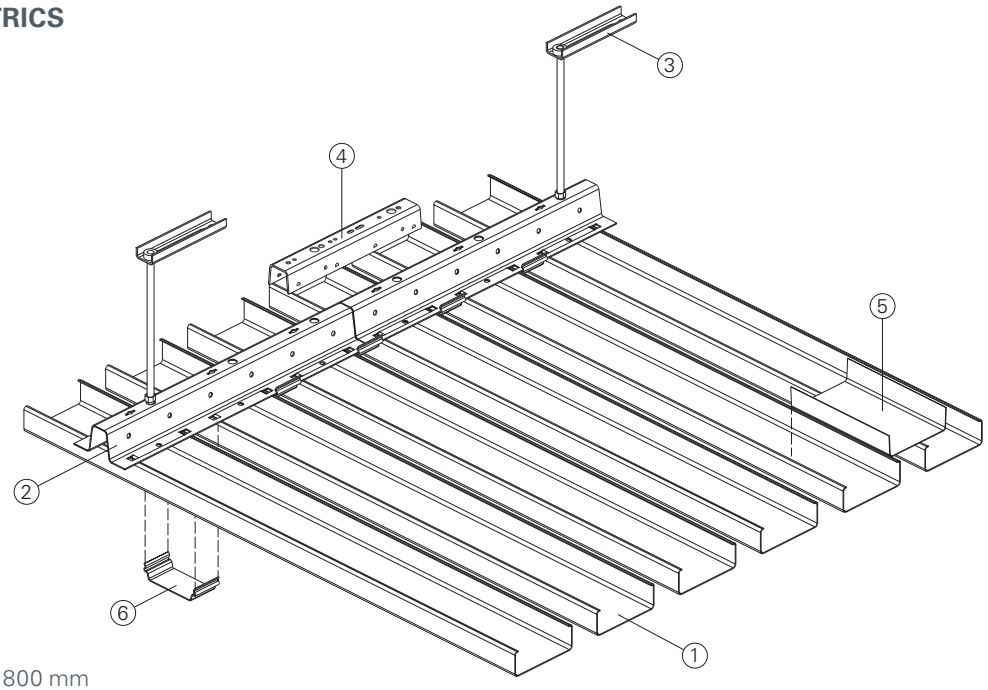
EN 13964
E1

A+

Fe : 17%
Al : 90%

TYPICAL ISOMETRICS

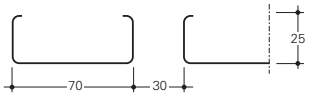
1 = 70U panel
2 = Carrier
3 = Hanger
4 = Carrier splice
5 = Panel splice
6 = Fixing clip



Maximum panel span 800 mm
Maximum panel cantilever 150 mm

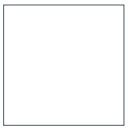
Maximum carrier span 700 mm
Maximum carrier cantilever 300 mm

TYPICAL SECTIONS



70U

PERFORATION PATTERNS



Plain

PHYSICAL DATA



Plain: A2-s1,d0



Up to α_W 0.50



Al: 7,1 kg/m²



Moist cloth





Class 1A

OPTIONAL



Colours:
See page 340



Curved solutions:
See page 210



Exterior solutions:
See page 246

COLOURS AND FINISHES

Hunter Douglas offers a wide choice of colours and finishes. Custom colour matching is available upon request. Please contact your local Hunter Douglas sales office for minimum quantities and lead times. See website for the most up to date information. Colours are for illustration purposes only.

STANDARD PAINT COLOURS STEEL PANEL

0280
±RAL 9010

CUSTOM COLOURS



PROTECTED BY LUXACOTE®

Luxacote® is a unique treatment for Luxalon® Exterior Ceilings.

Unprecedented Protection
LUXACOTE®
for exterior application

Proprietary Hunter Douglas' Luxacote® makes exterior ceilings extremely durable, providing colour and gloss stability, high scratch resistance, and resistance to corrosion. With Luxacote®, there is no need to recoat, which reduces maintenance costs and additional environmental impact.

Luxacote® protects the aluminium surface from corrosion and permanently anchors the paint to the metal surface. It contains highly colour-stable pigments for optimal colour-fastness and a highly scratch- and wear-resistant surface.

STANDARD LUXACOTE® PAINT COLOURS (70U)

0401
±RAL9016



7080
±RAL 9006

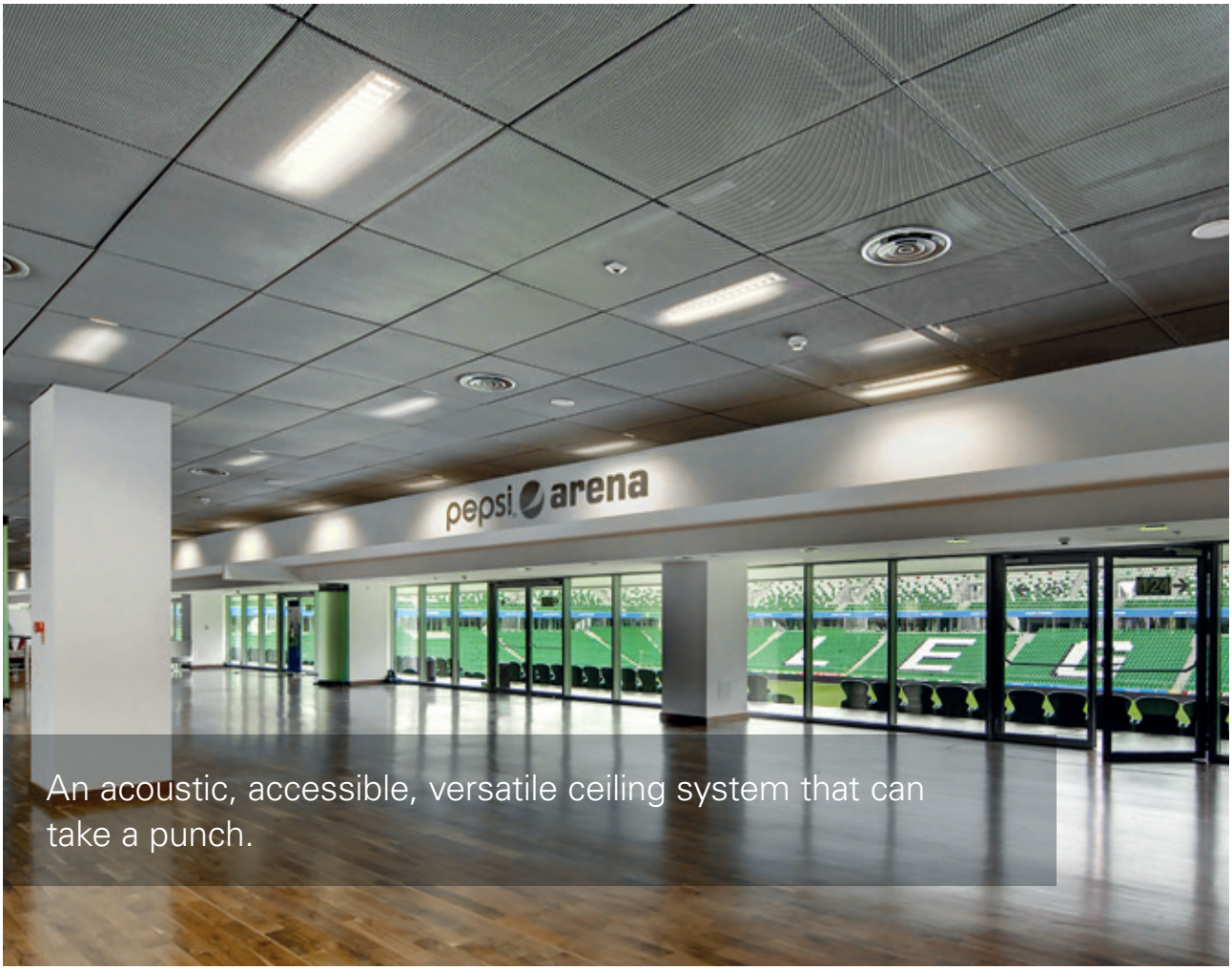
CUSTOM COLOURS





Project: Swimming Pool Steinerbos, Stein, The Netherlands - Product: Linear 70U ceiling - Architect: O&B

STRETCH METAL
BETA SAFETY-LOOP



An acoustic, accessible, versatile ceiling system that can take a punch.

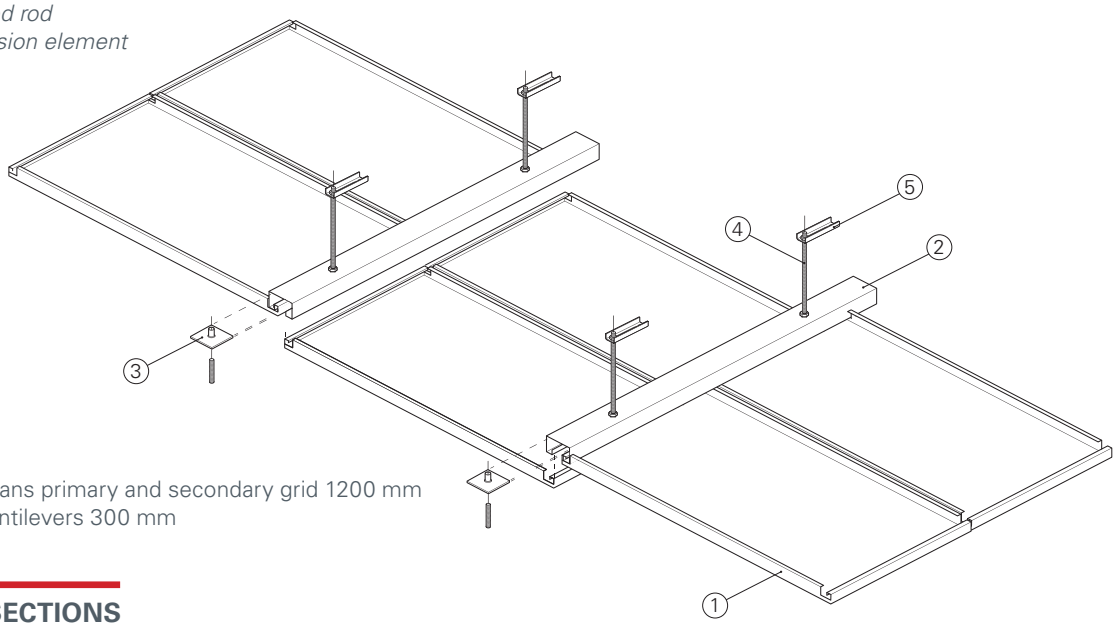
Project: Pepsi Arena Legia Football Stadium, Warsaw, Poland - Product: Stretch Metal Beta (Safety-Loop) - Architect: JSK

KEY FEATURES

- Panel sizes 900 x 1940 mm
- Square-edge design
- Mesh panels with lay-on pads for acoustic control
- Tested on ball impact resistance
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

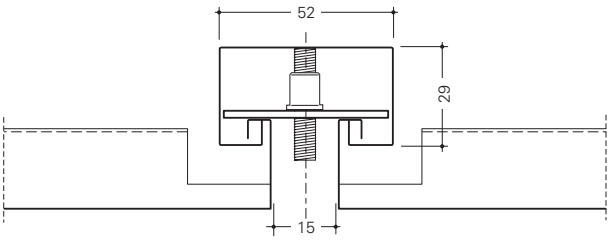
TYPICAL ISOMETRICS

1 = Hook-On plank
2 = Safety-Loop profile
3 = Locking plate with screw
4 = Threaded rod
5 = Suspension element



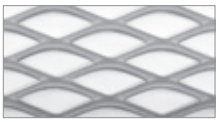
Maximum spans primary and secondary grid 1200 mm
Maximum cantilevers 300 mm

TYPICAL SECTIONS



MESH PATTERN

Scale 1:2



LD28 Moscow (Fe)

PHYSICAL DATA

Class A1 according EN 13501-1

α_W = 0.55-1.00

10.0 - 15.0 kg/m²

Varies with finish

Class B

Moist cloth

OPTIONAL

Colours:
See page 342

Exterior solutions:
See page 274

STRETCH METAL
BETA SAFETY-LOOP

COLOURS AND FINISHES

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STANDARD PAINT COLOURS

Signal White RAL 9003

Traffic White RAL 9016

Pure White RAL 9010

White Aluminium RAL 9006

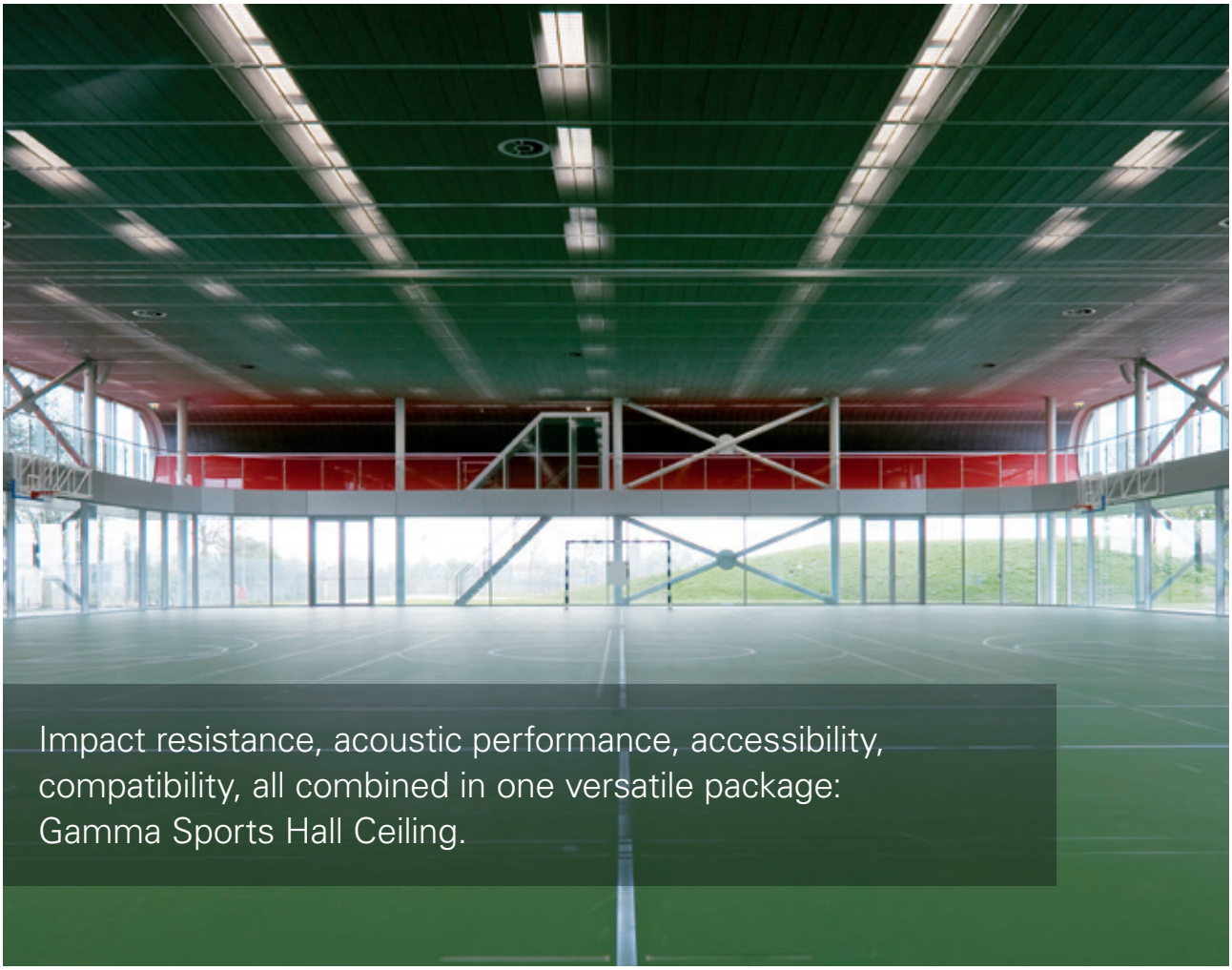
Jet Black RAL 9005

CUSTOM COLOURS



Project: Pepsi Arena Legia Football Stadium, Warsaw, Poland - Product: Stretch Metal Beta (Safety-Loop) - Architect: JSK

STRETCH METAL
GAMMA



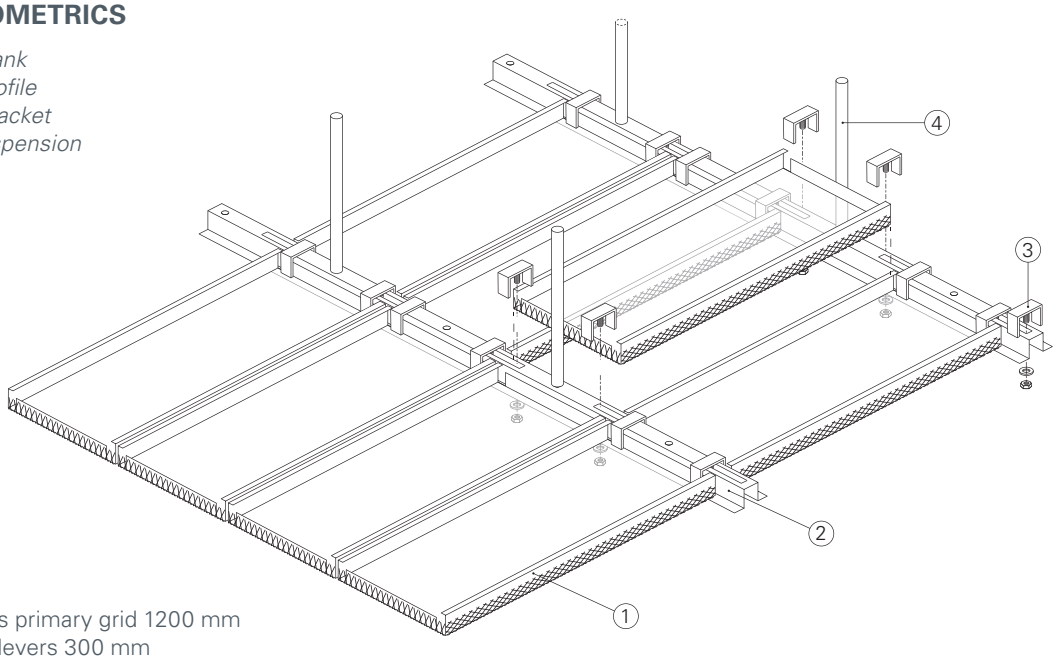
Project: Ronald Mc Donald Centre, Amsterdam, The Netherlands - Product: Stretch Metal Gamma (Sports Hall) - Architect: FACT Architects

KEY FEATURES

- Panel sizes 300 x 1800 mm
- Square-edge design
- Mesh panels with lay-on pads for acoustic control
- Tested on ball impact resistance
- On site waste reduction with factory fabricated dimensional material
- Downweight: reduce static load with lightweight aluminium or steel
- Easy plenum access
- Compatible with industry standard lighting, HVAC, speaker, fire safety, and security services

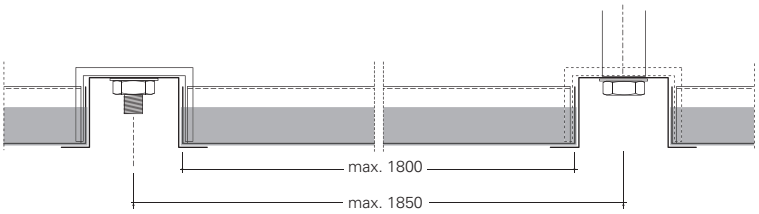
TYPICAL ISOMETRICS

1 = Lay-On Plank
2 = Omega profile
3 = Locking bracket
4 = Profix™ suspension



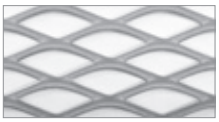
Maximum spans primary grid 1200 mm
Maximum cantilevers 300 mm

TYPICAL SECTIONS



MESH PATTERN

Scale 1:2



LD28 Moscow (Fe)

PHYSICAL DATA



Class A1 according EN 13501-1



α_W = 0.55-1.00



Depends on Meshtype



Varies with finish



Class B



Moist cloth

OPTIONAL



Colours:
See page 346

COLOURS AND FINISHES

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STANDARD PAINT COLOURS

Signal White RAL 9003

Traffic White RAL 9016

Pure White RAL 9010

White Aluminium RAL 9006

Jet Black RAL 9005

CUSTOM COLOURS



Project: Ronald Mc Donald Centre, Amsterdam, The Netherlands - Product: Stretch Metal Gamma (Sports Hall) - Architect: FACT Architects



Project: Ronald Mc Donald Centre, Amsterdam, The Netherlands - Product: Stretch Metal Gamma (Sports Hall) - Architect: FACT Architects





Project: Sports hall, Amersfoort, The Netherlands
Product: Veneered wood linear

RESOURCES

Architects and designers from around the world trust our unrivalled product development, service and support. Whether you are working to meet LEED requirements or solve unique architectural challenges, Hunter Douglas delivers outstanding, high-performance architectural products for design, comfort, and sustainability.





Project: Dutch Charity Lottery, Amsterdam, The Netherlands
Product: Custom Planks
Architect: Benthem Crouwel Architects



Project: De Rotterdam, The Netherlands
Architect: OMA Rem Koolhaas
Product: Cell40 ceiling



RESOURCES

BIM 356

PERFORATION PATTERNS 358

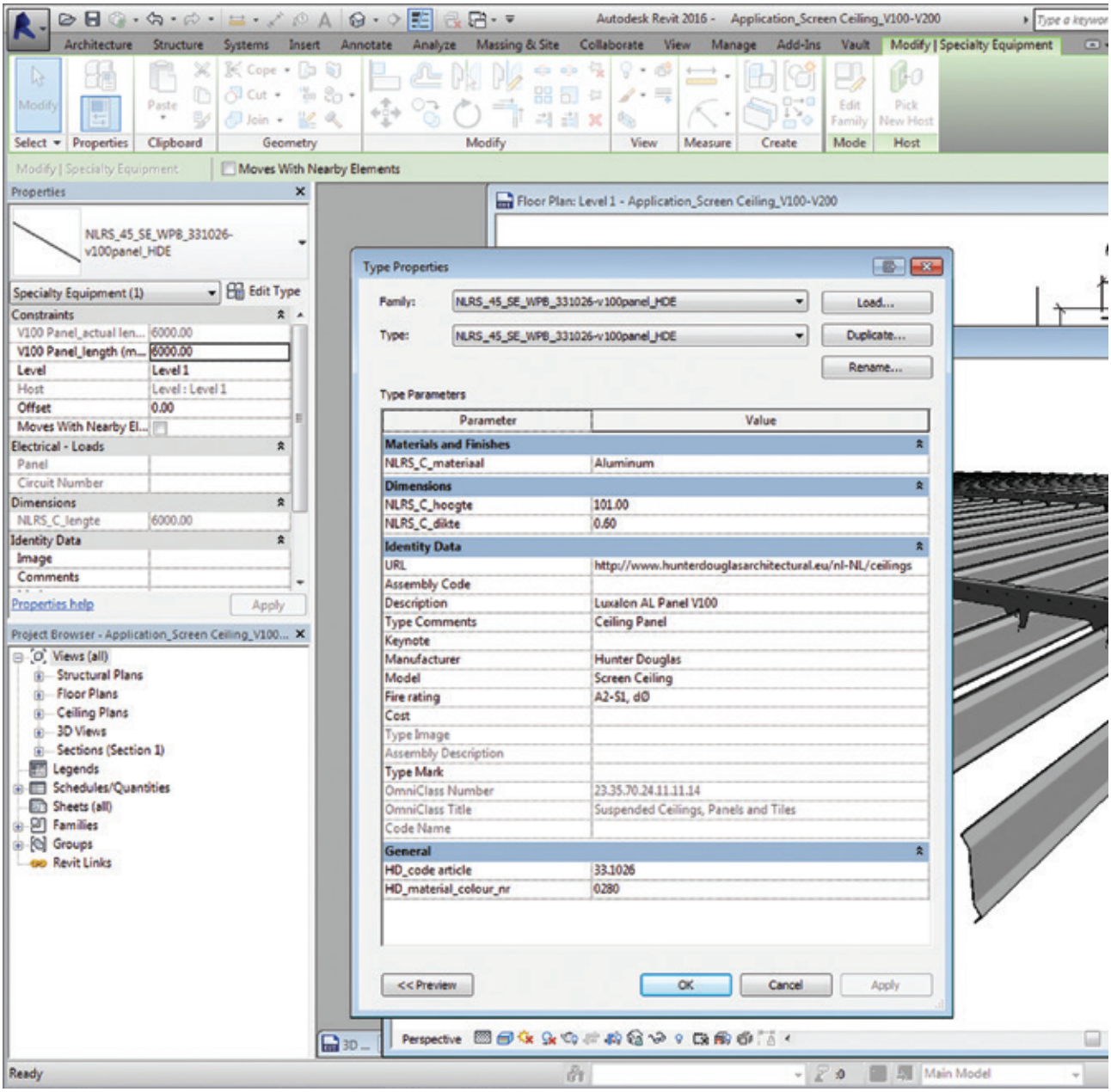
ACOUSTIC TEST RESULTS 360

SUSTAINABILITY 368

BIM CAPABLE

Collaboration starts with Hunter Douglas.

Hunter Douglas Ceilings offer a comprehensive REVIT file library for BIM requirements, with resources that support the entire project, from design development, to working drawings, to preconstruction and construction, all the way through to ongoing operations and maintenance.



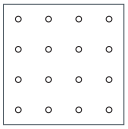


PERFORATION PATTERNS

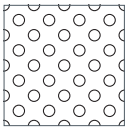
Perforation patterns improve acoustical performance as well as create aesthetic effects. Non-perforated option available for all products. Contact Hunter Douglas Ceilings for wood finish perforation options. Scale 1:1 shown, unless otherwise noted.

METAL CEILINGS

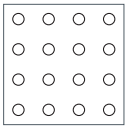
Tiles



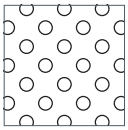
R0803
Ø 0.75 mm
⇳ 4 ⇔ 4
Openness 3%



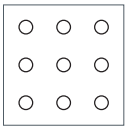
D1522
Ø 1.5 mm
⇳ 4 ⇔ 4
Openness 22%



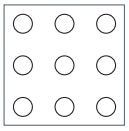
R1511
Ø 1.5 mm
⇳ 4 ⇔ 4
Openness 11%



D1820
Ø 1.8 mm
⇳ 5 ⇔ 5
Openness 20%

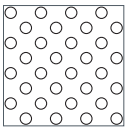


R1810
Ø 1.8 mm
⇳ 5 ⇔ 5
Openness 10%

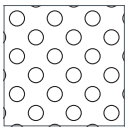


R2516
Ø 2.5 mm
⇳ 5.5 ⇔ 5.5
Openness 16%

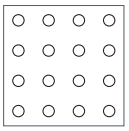
Planks



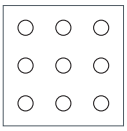
D1522
Ø 1.5 mm
⇳ 4 ⇔ 4
Openness 22%



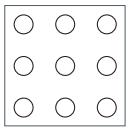
D2022
Ø 2 mm
⇳ 5 ⇔ 5
Openness 22%



R1511
Ø 1.5 mm
⇳ 4 ⇔ 4
Openness 11%

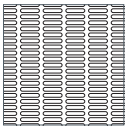


R2011
Ø 2 mm
⇳ 5 ⇔ 5
Openness 11%



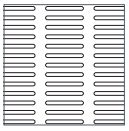
R2516
Ø 2.5 mm
⇳ 5.5 ⇔ 5.5
Openness 16%

(Scale 1:10)



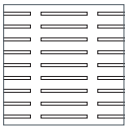
A5x25R
WxH 25 x 5 mm
⇳ 8 ⇔ 30
Openness 50%

(Scale 1:10)



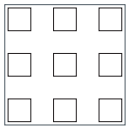
A5x50R
WxH 50 x 5 mm
⇳ 12.5 ⇔ 64
Openness 30.6%

(Scale 1:10)



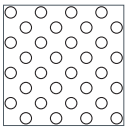
F4x61R
WxH 61 x 4 mm
⇳ 17 ⇔ 75
Openness 19%

(Scale 1:2)

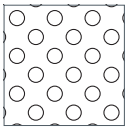


Q6025
☐ 6 mm
⇳ 12 ⇔ 12
Openness 25%

TAVOLA™

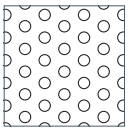


D1522
Ø 1.5 mm
⇳ 4 ⇔ 4
Openness 22%

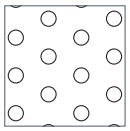


D2022
Ø 2 mm
⇳ 5 ⇔ 5
Openness 22%

Wide Panel

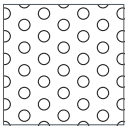


D1523
Ø 1.5 mm
⇳ 3 ⇔ 5.2
Openness 23%



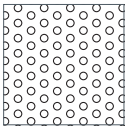
D2016
Ø 2 mm
⇳ 5 ⇔ 8.66
Openness 16%

Linear

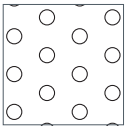


D1523
Ø 1.5 mm
⇳ 3 ⇔ 5.2
Openness 23%

On request



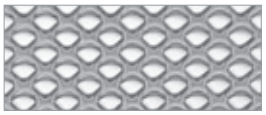
D1023
Ø 1 mm
⇳ 2 ⇔ 3.46
Openness 23%



D2016
Ø 2 mm
⇳ 5 ⇔ 8.66
Openness 16%

Stretch Metal

Square mesh collection



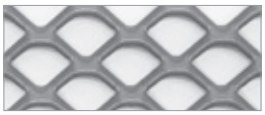
LS6 (Fe) *(Scale 1:1)*
Open area 36%
Weight 4.2 kg/m²
Thickness 1.5 mm
Dimensions: 6 x 4.5 - 1.2 x 1.0



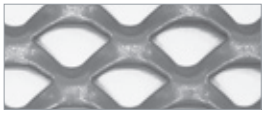
LS8 (Fe) *(Scale 1:1)*
Open area 54%
Weight 3.2 kg/m²
Thickness 2.0 mm
Dimensions: 8 x 6.0 - 1.2 x 1.0



LS10 (Fe) *(Scale 1:1)*
Open area 57%
Weight 3.2 kg/m²
Thickness 2.0 mm
Dimensions: 10 x 7.0 - 1.5 x 1.0



LS12 (Fe) *(Scale 1:1)*
Open area 70%
Weight 3.2 kg/m²
Thickness 3.0 mm
Dimensions: 12 x 9.5 - 1.6 x 1.0



LS16 (Fe) *(Scale 1:1)*
Open area 46%
Weight 4.3 kg/m²
Thickness 4.0 mm
Dimensions: 16 x 11.0 - 3.0 x 1.0

Diamond mesh collection



LD10 (Fe) *(Scale 1:1)*
Open area 45%
Weight 4.1 kg/m²
Thickness 2.0 mm
Dimensions: 10 x 5.8 - 1.5 x 1.0

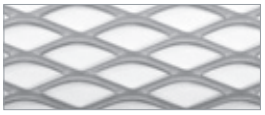


LD16 (Fe) *(Scale 1:1)*
Open area 47%
Weight 4.0 kg/m²
Thickness 3.0 mm
Dimensions: 16 x 8.0 - 2.0 x 1.0

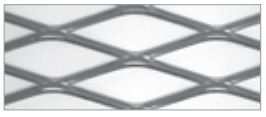
Diamond special mesh collection



LD20 Rotterdam *(Scale 1:2)*
Open area 55%
Weight *(On request)*
Thickness 3.5 mm
Dimensions: 20 x 10 - 2.0 x 1.5



LD28 Moscow *(Scale 1:2)*
Open area 55%
Weight *(On request)*
Thickness 3.5 mm
Dimensions: 28 x 10 - 2.0 x 1.5



LD43 Paris (Fe) *(Scale 1:2)*
Open area 60%
Weight *(On request)*
Thickness 4.0 mm
Dimensions: 43 x 13 - 2.5 x 1.5



LD62 Dubai *(Scale 1:4)*
Open area 36%
Weight *(On request)*
Thickness 10 mm
Dimensions: 62 x 23 - 8.0 x 1.5



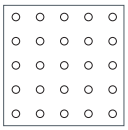
LD85 New York (Fe) *(Scale 1:4)*
Open area 48%
Weight *(On request)*
Thickness 14 mm
Dimensions: 85 x 35 - 11 x 2.0

For stretch metal in aluminium contact our sales unit.

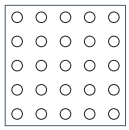
WOOD CEILINGS

Veneered Wood Tiles & Panels

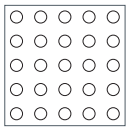
Single perforations - Regular *(Scale 1:5)*



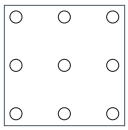
R5008
Ø 5 mm
⇳ 16 ⇿ 16
Openness 8%



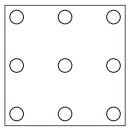
R7015
Ø 7 mm
⇳ 16 ⇿ 16
Openness 15%



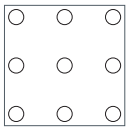
R8020
Ø 8 mm
⇳ 16 ⇿ 16
Openness 20%



R8005
Ø 8 mm
⇳ 32 ⇿ 32
Openness 5%

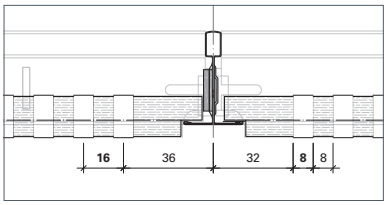


R9006
Ø 9 mm
⇳ 32 ⇿ 32
Openness 6%



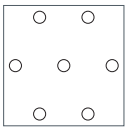
R10008
Ø 10 mm
⇳ 32 ⇿ 32
Openness 8%

Example single perforation

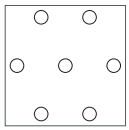


Section Detail *(Scale 1:3)*
R8020 - Ø 8 mm - ⇳ 16 ⇿ 16

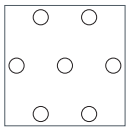
Single perforations - Irregular *(Scale 1:5)*



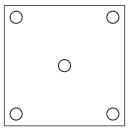
D8005
Ø 8 mm
⇳ 32 ⇿ 32
Openness 5%



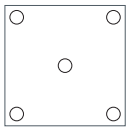
D9006
Ø 9 mm
⇳ 32 ⇿ 32
Openness 6%



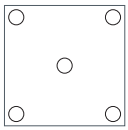
D10008
Ø 10 mm
⇳ 32 ⇿ 32
Openness 8%



D8003
Ø 8 mm
⇳ 32 ⇿ 64
Openness 3%

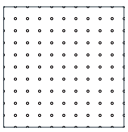


D9003
Ø 9 mm
⇳ 32 ⇿ 64
Openness 3%

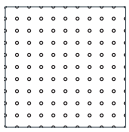


D10004
Ø 10 mm
⇳ 32 ⇿ 64
Openness 4%

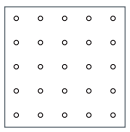
Double perforations - Regular *(Scale 1:5)*



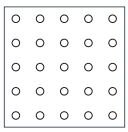
R1503A
Ø 1.5 mm
⇳ 8 ⇿ 8
Openness 3%



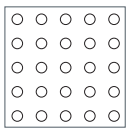
R2005A
Ø 2 mm
⇳ 8 ⇿ 8
Openness 5%



R3003A
Ø 3 mm
⇳ 16 ⇿ 16
Openness 3%

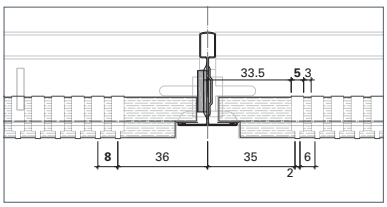


R5008B
Ø 5 mm
⇳ 16 ⇿ 16
Openness 8%



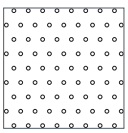
R7015B
Ø 7 mm
⇳ 16 ⇿ 16
Openness 15%

Example double perforation



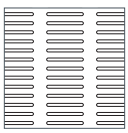
Section Detail *(Scale 1:3)*
R2005A - Ø 2 mm - ⇳ 8 ⇿ 8

Nano perforations *(Scale 1:1)*

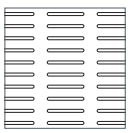


D0505A
Ø 0.5 mm
⇳ 1.9 ⇿ 1.9
Regular
Openness 5%

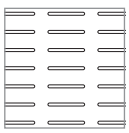
Slotted perforation *(Scale 1:20)*



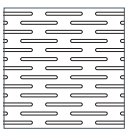
R9724S
WxH 97/8 mm
⇳ 24 ⇿ 132
Regular
Openness 24%



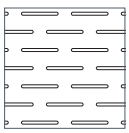
R9718S
WxH 97/8 mm
⇳ 32 ⇿ 132
Regular
Openness 18%



R9711S
WxH 97/8 mm
⇳ 48 ⇿ 132
Regular
Openness 11%



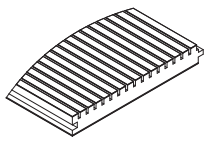
D9724S
WxH 97/8 mm
⇳ 24 ⇿ 132
Irregular
Openness 24%



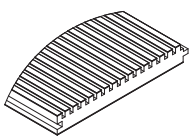
D9711S
Ø 97 mm
⇳ 48 ⇿ 132
Irregular
Openness 11%

Topline Panels

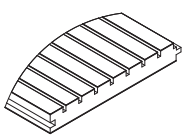
Topline grooves - View sides



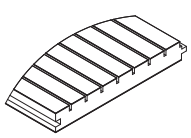
Topline 6/2
Plain 6 mm
Groove 2 mm
Openness 25%



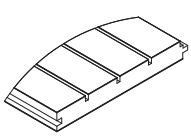
Topline 5/3
Plain 5 mm
Groove 3 mm
Openness 25%



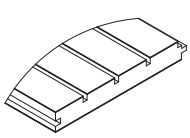
Topline 13/3
Plain 13 mm
Groove 3 mm
Openness 19%



Topline 14/2
Plain 14 mm
Groove 2 mm
Openness 13%



Topline 29/3
Plain 29 mm
Groove 3 mm
Openness 9%



Topline 28/4
Plain 28 mm
Groove 4 mm
Openness 13%

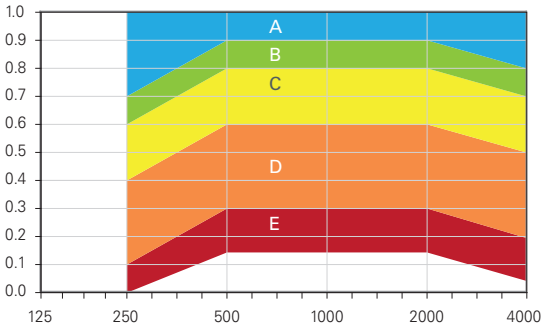
ACOUSTIC TEST RESULTS

SOUND ABSORPTION (α_w) SUMMARY

Ceiling panels are available in a variety of perforation patterns for optimum acoustical performance.
Sound absorption can be achieved by fitting these panels with acoustical tissue or pad.

SOUND ABSORPTION CLASSIFICATION GRAPH

α_w	Sound absorption class
1.00 - 0.95 - 0.90	A
0.85 - 0.80	B
0.75 - 0.70 - 0.65 - 0.60	C
0.55 - 0.50 - 0.45 - 0.40 - 0.35 - 0.30	D
0.25 - 0.20 - 0.15	E
0.10 - 0.05 - 0.00	Not classified



HEARTFELT® LINEAR CEILING

Report: Peutz A 3038-1E-RA-001

Panel type Linear Ceiling	Joint	Lay-On pad	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
40HL55 / 40HR64	open	-	50	-	-	E200	0.16	0.52	0.79	0.64	0.87	0.93	0.70 (H)	0.7	C
40HL55 / 40HR64	open	-	80	-	-	E200	0.08	0.28	0.53	0.49	0.74	0.80	0.55 (H)	0.50	D
40HL55 / 40HR64	open	-	100	-	-	E200	0.06	0.21	0.43	0.44	0.69	0.75	0.45(H)	0.45	D

Report: Peutz A 3211-1E-RA-001

Panel type Linear Ceiling	Joint	Lay-On pad	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
40HL55 / 40HR64	open	-	60	-	-	E200	0.10	0.41	0.63	0.60	0.85	0.91	0.65 (H)	0.55	C
40HL55 / 40HR64	open	-	70	-	-	E200	0.06	0.43	0.56	0.58	0.81	0.87	0.60 (H)	0.50	C
40HL55 / 40HR64	open	-	80	-	-	E200	0.05	0.27	0.48	0.50	0.75	0.82	0.50 (H)	0.45	D
40HL55 / 40HR64	open	-	90	-	-	E200	0.04	0.23	0.43	0.47	0.71	0.79	0.45 (H)	0.40	D

Report: Peutz A 3523-2E-RA-001

Panel type Linear Ceiling	Joint	Lay-On pad	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
Mix 55/80/105	open	-	80	-	-	E200	0.08	0.31	0.55	0.51	0.76	0.82	0.55 (H)	0.53	D
40HL105	open	-	100	-	-	E200	0.08	0.30	0.51	0.46	0.71	0.84	0.50 (H)	0.50	D
40HL105	open	-	110	-	-	E200	0.07	0.29	0.48	0.44	0.70	0.82	0.50 (H)	0.48	D
40HL105	open	-	120	-	-	E200	0.06	0.28	0.47	0.43	0.69	0.82	0.50 (H)	0.47	D
40HL105	open	-	150	-	-	E200	0.06	0.24	0.42	0.38	0.65	0.78	0.45 (H)	0.42	D
40HL105	open	-	200	-	-	E200	0.05	0.20	0.37	0.35	0.59	0.68	0.40 (H)	0.38	D
40HL80	open	-	80	-	-	E200	0.07	0.31	0.50	0.51	0.70	0.82	0.50 (H)	0.50	D
40HL80	open	-	90	-	-	E200	0.07	0.27	0.47	0.47	0.66	0.81	0.45 (H)	0.47	D
40HL80	open	-	100	-	-	E200	0.06	0.25	0.45	0.45	0.65	0.80	0.45 (H)	0.45	D
40HL80	open	-	150	-	-	E200	0.04	0.17	0.35	0.38	0.58	0.71	0.40 (H)	0.37	D

Report: Peutz A 3586-4E-RA-001

Panel type Linear Ceiling	Joint	Lay-On pad	Module	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
40HL55 / 40HR64	open	Akotherm 40 mm D20	80	E200	0.25	0.63	0.81	0.78	0.91	0.93	0.85	0.78	B
40HL55 / 40HR64	open	Akotherm 40 mm D40	80	E200	0.27	0.69	0.87	0.88	0.94	0.98	0.90	0.85	A
40HL55 / 40HR64	open	Akotherm 25 mm D20	80	E200	0.18	0.49	0.72	0.69	0.83	0.91	0.70	0.68	C
40HL55 / 40HR64	open	Akotherm 20 mm D40	80	E200	0.17	0.51	0.78	0.77	0.89	0.94	0.75 (H)	0.74	C
40HL55 / 40HR64	open	Akotherm 40 mm D40	60	E200	0.28	0.76	0.89	0.90	0.96	0.98	0.95	0.88	A
40HL55 / 40HR64	open	Akotherm 40 mm D40	100	E200	0.23	0.64	0.81	0.88	0.93	1.00	0.85 (H)	0.81	B

HEARTFELT® LINEAR WALL

Report: Peutz A 3723-2E-RA-001

Panel type Linear Wall	Material	Lay-On pad	Module	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
40HL55 / 40HR64	open	Easypol 40D20	60	E0	0.24	0.65	0.90	0.89	0.92	0.98	0.90	0.84	A
40HL55 / 40HR64	open	Easypol 25D20	60	E0	0.19	0.47	0.80	0.88	0.82	0.98	0.75 (H)	0.74	C
40HL55 / 40HR64	open	-	60	E0	0.04	0.19	0.58	0.80	0.69	0.91	0.50 (MH)	0.56	D

HEARTFELT® BAFFLES

Report: Peutz A 3586-5E-RA-001

Panel type Baffles	Material	Infill	Module	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
30HB200	6.5 mm	-	150	E200	0.12	0.36	0.36	0.52	0.82	0.99	0.45 (H)	0.51	D
30HB200	6.5 mm	-	200	E200	0.12	0.34	0.37	0.50	0.81	0.95	0.45(H)	0.50	D
30HB200	6.5 mm	-	200	E400	0.16	0.24	0.37	0.56	0.86	0.98	0.45 (H)	0.51	D
30HB200	6.5 mm	-	300	E200	0.11	0.33	0.39	0.43	0.72	0.82	0.45 (H)	0.47	D
30HB200	6.5 mm	-	400	E200	0.11	0.31	0.40	0.41	0.64	0.73	0.45 (H)	0.44	D
80HB400	6.5 mm	-	300	E200	0.42	0.47	0.51	0.75	0.92	1.00	0.60 (H)	0.66	C
80HB400	6.5 mm	-	400	E200	0.35	0.42	0.46	0.68	0.84	0.90	0.55 (H)	0.60	C

Report: Peutz A 3586-5E-RA-001

Panel type Baffles	Material	Remarks	Module	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
40HB200	6.5 mm	6 elements 1800 mm	random	E0	0.11	0.35	0.59	0.60	0.76	0.81	-	-	-
50HB250	6.5 mm	6 elements 1800 mm	random	E0	0.16	0.50	0.67	0.76	0.92	0.97	-	-	-
50HB250	6.5 mm	24 elements 1800 mm	250	E0	0.09	0.25	0.27	0.36	0.49	0.52	-	-	-
50HB250	6.5 mm	24 elements 1800 mm in frame	250	E0	0.23	0.45	0.41	0.64	0.90	0.98	0.50 (H)	0.60	C
50HB250	6.5 mm	24 elements 1800 mm in frame	500	E0	0.19	0.38	0.37	0.50	0.70	0.74	0.45 (H)	0.49	D
50HB250	6.5 mm	24 elements 1800 mm	500	E0	0.16	0.38	0.44	0.54	0.73	0.76	-	-	-
80HB400	6.5 mm	6 elements 1800 mm	random	E0	0.41	0.79	0.90	1.19	1.31	1.43	-	-	-

Report: Peutz A 4095-20-RA-001

Panel type Baffles	Material	Remarks	Module	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
40HB300	6.5 mm	6 elements 1800 mm	random	E0	0.20	0.60	0.66	0.78	1.02	1.06	-	-	-
40HB500	6.5 mm	6 elements 1800 mm	random	E0	0.40	0.73	0.87	1.14	1.50	1.56	-	-	-

Report: Peutz A 4095-20-RA-001

Panel type Baffles	Material	Remarks	Module	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
40HB300	6.5 mm	8 elements 1800 mm	762	E0	0.12	0.34	0.30	0.42	0.56	0.58	0.40(H)	0.41	D
40HB500	6.5 mm	8 elements 1800 mm	762	E0	0.27	0.36	0.40	0.55	0.72	0.74	0.50(H)	0.51	D

HEARTFELT® ORIGAMI

Report: Peutz A 3965-2E-RA

Panel type Origami	Material	Infill	Module	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
600HO600	6.5 mm	-	-	E400	0.38	0.68	0.69	0.84	0.88	0.92	0.80	0.77	B
600HO600	6.5 mm	Akotherm 40D40	-	E400	0.54	0.86	0.90	0.95	0.98	1.01	0.95	0.92	A
600HO600	6.5 mm	Akotherm 20D40	-	E400	0.54	0.81	0.82	0.93	0.95	1.00	0.90	0.88	A
600HO400	6.5 mm	-	-	E400	0.32	0.69	0.67	0.82	0.86	0.92	0.75(H)	0.76	C
400HO600	6.5 mm	felt strip	-	E400	0.32	0.75	0.71	0.84	0.87	0.92	0.80	0.79	B
900HO600	6.5 mm	felt strip	-	E400	0.37	0.72	0.66	0.81	0.85	0.92	0.75(H)	0.76	C

HEARTFELT® ORIGAMI

Report: Peutz A 3965-2E-RA

Panel type Origami	Material	Surface	Perforation	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	SAA	Class
600HO600	6.5 mm	10.8 m²	-	E400	2,32	7,49	7,85	9,66	10,73	12,10	-	-	-
600HO600	6.5 mm	5.4 m²	-	E400	1,01	3,93	4,14	5,45	5,93	6,59	-	-	-
600HO400	6.5 mm	10.8 m²	-	E400	1,87	6,94	7,64	9,62	10,57	11,98	-	-	-
600HO400	6.5 mm	5.4 m²	-	E400	1,08	3,22	4,09	5,19	5,80	6,66	-	-	-
900HO600	6.5 mm	10.8 m²	felt strip	E400	2,19	7,39	7,83	9,48	10,58	11,99	-	-	-
900HO600	6.5 mm	5.4 m²	felt strip	E400	0,97	3,56	4,14	5,27	5,88	6,70	-	-	-

VENEERED WOOD TILES AND PANELS

Report: Peutz A 3625-2E-RA-001

Perforation type	Lay-On pad	Perfo front	Perfo back	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	SAA	Class
Nano Perforation	-	D0505	R8020	√	E200	0.40	0.63	0.70	0.54	0.48	0.40	0.55 (L)	0,59	D
Nano Perforation	Easypol 20 mm D20	D0505	R8020	√	E200	0.45	0.67	0.73	0.58	0.51	0.40	0.55 (L)	0,62	D
Nano Perforation	Easypol 40 mm D40	D0505	R8020	√	E200	0.50	0.69	0.70	0.62	0.51	0.40	0.55 (L)	0,63	D
Nano Perforation	Easypol 40 mm D40	D0505	R8020	√	E60	0.35	0.70	0.80	0.66	0.48	0.40	0.55 (LM)	0,66	D
Nano Perforation	-	D0505	D10041	√	E200	0.34	0.70	0.83	0.67	0.66	0.54	0.65 (L)	0,72	C
Nano Perforation	Easypol 20 mm D20	D0505	D10041	√	E200	0.42	0.79	0.88	0.74	0.71	0.56	0.70 (L)	0,78	C
Nano Perforation	Easypol 40 mm D40	D0505	D10041	√	E200	0.52	0.83	0.88	0.80	0.73	0.56	0.75 (L)	0,81	C
Nano Perforation	Easypol 40 mm D40	D0505	D10041	√	E60	0.27	0.70	1.00	0.89	0.67	0.56	0.70 (M)	0,81	C

Report: Peutz A 2513-3E-NO

Perforation type	Lay-On pad	Perfo front	Perfo back	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	SAA	Class
Nano Perforation	Mineral wool 40 mm	D0505	D10024	√	E60	0.23	0.68	0.96	0.98	0.97	0.82	0.95	0.90	A
Nano Perforation	Caruso 10 mm	D0505	D10024	√	E30	0.06	0.24	0.63	0.97	0.99	0.78	0.60	0.70	C

Report: Peutz A 1346-1E-RA

Perforation type	Lay-On pad	Perfo front	Perfo back	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	SAA	Class
Single	Mineral wool 50 mm	R7015	-	-	E200	0.52	0.70	0.77	0.74	0.67	0.62	0.70	0.70	C
Single	Mineral wool 50 mm	R7015	-	√	E60	0.39	0.70	0.84	0.76	0.66	0.66	0.75	0.75	C
Single	Mineral wool 50 mm	R9006	-	√	E200	0.39	0.45	0.47	0.43	0.36	0.31	0.40 (L)	0.45	D
Single	Mineral wool 50 mm	R9006	-	√	E60	0.42	0.5	0.51	0.44	0.36	0.37	0.45 (L)	0.45	D
Double	Mineral wool 50 mm	R5008B	-	√	E200	0.52	0.78	0.85	0.80	0.66	0.45	0.65 (L)	0.80	C
Double	Mineral wool 50 mm	R5008B	-	√	E60	0.34	0.74	0.97	0.81	0.65	0.51	0.65 (LM)	0.80	C
Slotted	Mineral wool 50 mm	R9724S	-	√	E200	0.47	0.72	0.81	0.78	0.72	0.62	0.75	0.75	C
Slotted	Mineral wool 50 mm	R9724S	-	√	E200	0.44	0.58	0.63	0.55	0.44	0.36	0.50 (L)	0.55	D
Slotted	Mineral wool 50 mm	D9724S	-	√	E200	0.48	0.69	0.78	0.75	0.70	0.64	0.75	0.75	C
Slotted	Mineral wool 50 mm	D9724S	-	√	E200	0.38	0.52	0.56	0.51	0.43	0.34	0.50	0.5	D

Report: Peutz A 2827-1E-RA

Perforation type	Lay-On pad	Perfo front	Perfo back	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	SAA	Class
Single	Mineral wool 50 mm	R8020	-	√	E200	0.49	0.80	0.89	0.87	0.74	0.68	0.80	0.85	B
Single	Mineral wool 50 mm	R8020	-	√	E60	0.35	0.78	0.96	0.87	0.71	0.67	0.75 (L)	0.85	C

Report: Peutz A 1553-3E

Perforation type	Lay-On pad	Perfo front	Perfo back	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	SAA	Class
Double	Mineral wool 50 mm	R1503A	-	√	E200	0.64	0.84	0.71	0.55	0.35	0.21	0.35 (LM)	0.65	D
Double	Mineral wool 50 mm	R1503A	-	√	E60	0.38	0.74	0.85	0.55	0.32	0.22	0.35	0.65	D

SOLID WOOD & VENEERED WOOD LINEAR

Report: Peutz A 3806-2E-RA-001

Panel type Linear	Joint	joint fill-in	Module	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	SAA	Class
Wood Linear 65 x 17 mm	5 mm	-	70	E200	0.07	0.18	0.13	0.12	0.17	0.29	0.15 (L)	0.15	E
Wood Linear 150 x 17 mm	30 mm	NW strips 2 mm	180	E200	0.36	0.63	0.44	0.30	0.31	0.29	0.35 (L)	0.42	D

SOLID WOOD & VENEERED WOOD GRILL

Report: Peutz A 3806-2E-RA-001

Panel type Grill	Lay-on pad	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
Wood Grill 6-33-17-46	-	3 mm	E200	0.09	0.23	0.34	0.30	0.40	0.45	0.35	0.32	D
Wood Grill 6-33-17-46	Easypol 25 mm D20	3 mm	E200	0.18	0.41	0.57	0.51	0.61	0.65	0.55	0.53	D
Wood Grill 3-88-31-119	Easypol 25 mm D20	3 mm	E200	0.06	0.18	0.28	0.32	0.38	0.44	0.35	0.29	D

VENEERED WOOD TOPLINE

Report: Peutz A 1553-3E

Panel type	Lay-on pad	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
Topline TLS 6/2	Mineral wool 50 mm	√	E200	0.46	0.87	0.97	0.93	0.89	0.75	0.90	0.95	A
Topline TLS 14/2	Mineral wool 50 mm	√	E200	0.48	0.87	0.88	0.78	0.61	0.49	0.65 (LM)	0.80	C
Topline TLS 5/3	Mineral wool 50 mm	√	E200	0.48	0.89	0.97	0.92	0.84	0.69	0.85	0.90	B
Topline TLS 13/3	Mineral wool 50 mm	√	E200	0.54	0.81	0.83	0.76	0.61	0.50	0.65	0.75	C
Topline TLS 28/4	Mineral wool 50 mm	√	E200	0.46	0.74	0.73	0.61	0.42	0.31	0.45 (LM)	0.65	D

Report: Peutz A 3806-2E-RA-001

Panel type	Lay-on pad	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
Topline TLS 29/3	-	√	E200	0.45	0.67	0.60	0.45	0.37	0.33	0.45 (L)	0.52	D

CONCRETE VENEER TILES AND PANELS

Report: Peutz A 1553-3E

Perforation type	Lay-On pad	Perfo front	Perfo back	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	SAA	Class
Double	-	MR 060300V	RV 1016	√	E200	0.39	0.68	0.74	0.62	0.54	0.29	0.50(LM)	0.64	D
Double	Polywool 25D20	MR 060300V	RV 1017	√	E200	0.45	0.75	0.80	0.66	0.54	0.31	0.50(LM)	0.69	D
Double	Polywool 40D40	MR 060300V	RV 1018	√	E200	0.48	0.76	0.78	0.68	0.53	0.30	0.50(LM)	0.69	D
Double	Polywool 25D20	MR 060300V	RV 1017	√	E45	0.20	0.52	0.82	0.81	0.5	0.29	0.50(M)	0.66	D
Double	Polywool 40D40	MR 060300V	RV 1018	√	E60	0.34	0.78	0.87	0.73	0.51	0.31	0.50(LM)	0.72	D

METAL PLANKS

Report: Peutz A 2600-1E-RA-001

Panel type Planks	Lay-In pad	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
670 x 1500 mm	-	R3.0U6.4x6.4 (R316)	√	E400	0.53	0.73	0.64	0.70	0.76	0.70	0.70 (L)	0.65	C
670 x 1500 mm	40 mm	R3.0U6.4x6.4 (R316)	√	E400	0.61	0.80	0.83	0.95	0.96	0.89	0.95	0.90	A

Report: Peutz A 1647-1E-RA

Panel type Planks	Lay-In pad	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
600 x 1200 mm	40 mm	R1.5Z4.0x4.0 (D1522)	√	E200	0.47	0.80	0.94	0.88	0.92	0.72	0.90	0.90	A

TILES

Report: CSI_0129-A-DC-ACU-08

Panel type Clip-In	Lay-In pad	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
600 x 600 mm	-	R1.5T3 (D1522)	√	E300	0.35	0.65	0.50	0.50	0.55	0.55	0.55 (L)	0.55	D

Report: CSI_0129-B-DC-ACU-08rev01

Panel type Clip-In	Lay-In pad	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
600 x 600 mm	-	D222	√	E300	0.30	0.70	0.55	0.50	0.55	0.55	0.55 (L)	0.55	D

Report: CSI_0129-C-DC-ACU-08

Panel type Clip-In	Lay-In pad	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
600 x 600 mm	-	R2516	√	E300	0.35	0.70	0.55	0.50	0.55	0.55	0.55 (L)	0.55	D

Report: CSI_0129-C-DC-ACU-08

Panel type Clip-In	Lay-In pad	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
600 x 600 mm	-	R2516 / 100 blind	√	E300	0.40	0.70	0.50	0.40	0.40	0.35	0.45 (L)	0.50	D

Report: Peutz A 2720-1E-RA-002

Panel type	Lay-In pad	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
Clip-In 600 x 600	-	R1.85U4x4 (P258)	√	E200	0.25	0.61	0.82	0.57	0.67	0.66	0.65	0.65	C
Clip-In 600 x 600	25 mm	R1.85U4x4 (P258)	√	E200	0.41	0.78	0.95	0.85	0.89	0.75	0.90	0.85	A
Lay-On 600 x 600	-	R1.55Z4.3x4.3 (P138)	√	E200	0.21	0.56	0.76	0.54	0.64	0.65	0.65	0.60	C
Lay-On 600 x 600	25 mm	R1.55Z4.3x4.3 (P138)	√	E200	0.35	0.77	0.94	0.83	0.93	0.79	0.90	0.85	A
Clip-In 300 x 1200	-	R1.85U4x4 (P122)	√	E200	0.24	0.60	0.83	0.55	0.65	0.66	0.65	0.65	C
Clip-In 300 x 1200	25 mm	R1.85U4x4 (P122)	√	E200	0.39	0.74	0.94	0.82	0.91	0.74	0.85	0.85	B

Report: Peutz A 1818-1E-RA

Panel type Clip-In	Lay-In pad	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
600 x 600 mm	-	R2.5T5.8 (R2516)	√	E400	0.57	0.84	0.61	0.70	0.74	0.67	0.70 (L)	0.70	C
600 x 600 mm	-	R1.5Z4.0x4.0 (D1522)	√	E400	0.56	0.80	0.55	0.64	0.71	0.70	0.65 (L)	0.65	C

Report: Peutz A 1818-1E-RA

Panel type HIA CG10	Lay-In pad	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	SAA	Class
600 x 600 mm	-	D1522	√	E200	0,25	0,56	0,79	0,57	0,65	0,65	0,65	0,65	0,64	C
600 x 600 mm	Easypol 20D40	D1522	√	E200	0,35	0,78	0,93	0,80	0,91	0,89	0,90	0,85	0,86	A

STRETCH METAL

Report: Giordano 149594

Panel type	Lay-In pad	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
800 x 800 mm	40 mm D35	LS8/ Q8	-	E300	0.60	0.90	0.85	0.95	1.00	1.00	0.95	0.93	A

Report: Giordano 149595

Panel type	Lay-In pad	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
600 x 600 mm	25 mm D24	LD6/ R6	-	E300	0.45	0.80	0.80	0.80	0.90	1.00	0.85	0.83	B

Report: Giordano 149596

Panel type	Lay-In pad	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
600 x 600 mm	25 mm D24	LS8/ Q8	-	E300	0.50	0.80	0.80	0.80	0.85	1.00	0.85	0.81	B

Report: Giordano 149597

Panel type	Lay-In pad	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
800 x 800 mm	85 mm D24	LS10/ Q10	-	E300	0.75	0.90	0.95	0.95	1.00	1.00	1.00	0.95	A

WIDE PANEL

Report: TPD-HAG-RPT-940037

Panel type	Infill	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
300C	-	300	R1.5T3 (D1522)	√	E400	0.68	0.83	0.70	0.74	0.76	0.78	0.75 (L)	0.70	C
300C	25 mm	300	R1.5T3 (D1522)	√	E400	0.79	0.93	0.84	0.99	1.01	0.96	-	0.90	A
300C	-	300	R2.0T5 (D2016)	√	E400	0.70	0.81	0.69	0.77	0.79	0.79	0.75 (L)	0.75	C
300C	25 mm	300	R2.0T5 (D2016)	√	E400	0.70	0.83	0.84	0.96	0.94	0.88	-	0.90	A

Report: Peutz AT 1223-1

Panel type	Infill	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
300C	50 mm	300	R1.5T3 (D1522)	√	E200	0.67	0.85	0.89	0.91	0.92	0.86	0.90	0.90	A
300C	50 mm	300	R1.5T3 (D1522)	√	E400	0.67	0.76	0.84	0.96	0.94	0.87	0.95	0.90	A

BAFFLES

Report: Peutz A 3144-1E-RA-001

Panel type	Infill	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
30 x 200 mm	-	150	R1.5T3 (D1522)	√	E0	0.17	0.42	0.44	0.48	0.61	0.64	0.50 (H)	0.49	D
30 x 200 mm	-	200	R1.5T3 (D1522)	√	E0	0.17	0.37	0.42	0.37	0.47	0.52	0.50	0.41	D
30 x 200 mm	-	300	R1.5T3 (D1522)	√	E0	0.16	0.35	0.39	0.33	0.41	0.43	0.40	0.37	D
30 x 200 mm	-	400	R1.5T3 (D1522)	√	E0	0.17	0.39	0.43	0.43	0.55	0.62	0.40	0.45	D
30 x 200 mm	-	200	R1.5T3 (D1522)	√	E200	0.21	0.32	0.32	0.48	0.61	0.66	0.40 (H)	0.43	D

CELL

Report: Peutz A1106-1E

Panel type	Lay-In pad	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
Cell40	-	50	R1.0T2 (D1023)	√	E200	0.05	0.14	0.24	0.30	0.49	0.65	0.30 (H)	0.30	D
Cell40	-	100	R1.0T2 (D1023)	√	E200	0.04	0.10	0.17	0.22	0.41	0.60	0.20 (H)	0.20	E
Cell40	-	200	R1.0T2 (D1023)	√	E200	0.02	0.07	0.12	0.15	0.31	0.47	0.15 (H)	0.15	E

Report: Peutz A 3729-2E-RA-001

Panel type	Lay-In pad	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
Cell40	Akopol 25 mm D65	100	-	-	E200	0.23	0.61	0.84	0.81	0.81	0.85	0.80	0.77	B
Cell40	Akopol 25 mm D70	100	-	-	E200	0.24	0.64	0.88	0.82	0.82	0.86	0.85	0.79	B

LINEAR

Report: Peutz A 1846-1E

Panel type Linear	Joint	Infill	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
30BD	open	√	50	R1.0T2 (D1022)	√	E0	0.06	0.23	0.70	0.91	0.77	0.82	0.55 (MH)	0.65	D
30BD	open	√	50	R1.0T2 (D1022)	√	E100	0.06	0.26	0.69	0.74	0.80	0.87	0.55 (H)	0.65	D
30BD	open	√	50	R1.0T2 (D1022)	√	E400	0.15	0.23	0.46	0.76	0.90	0.91	0.50 (MH)	0.60	D
30BD	open	-	50	R1.0T2 (D1022)	√	E400	0.17	0.27	0.35	0.55	0.69	0.71	0.45 (H)	0.45	D
30BD	closed	-	50	R1.0T2 (D1022)	√	E400	0.55	0.69	0.57	0.73	0.85	0.80	0.65 (LH)	0.70	C

Report: Peutz A 2025-2E-RA

Panel type Linear	Joint	Infill	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
30BD	open	√	50	R1.5T3 (D1522)	√	E200	0.10	0.27	0.69	0.74	0.78	0.88	0.55 (H)	0.60	D
30BXD	open	√	75	R1.5T3 (D1522)	√	E200	0.08	0.25	0.53	0.57	0.77	0.84	0.55 (H)	0.55	D
30BXD	open	-	60	R1.5T3 (D1522)	√	E200	0.05	0.21	0.58	0.60	0.66	0.77	0.50 (H)	0.50	D
30BXD	open	√	60	R1.5T3 (D1522)	√	E200	0.09	0.30	0.66	0.67	0.85	0.91	0.60 (H)	0.65	C

LINEAR

Report: Peutz A 2558-1E-RA

Panel type Linear	Joint	Infill	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
30BXD	open	-	50	R1.5T3 (D1522)	√	E200	0.08	0.36	0.57	0.50	0.67	0.85	0.55 (H)	0.50	D
30BXD	closed	-	50	R1.5T3 (D1522)	√	E200	0.18	0.53	0.77	0.67	0.84	0.89	0.75 (H)	0.70	C
30BXD	open	-	60	R1.5T3 (D1522)	√	E200	0.06	0.3	0.51	0.46	0.62	0.79	0.50 (H)	0.45	D
80BXD	open	-	100	R1.5T3 (D1522)	√	E200	0.18	0.63	0.82	0.66	0.79	0.85	0.75	0.70	C
80BXD	closed	-	100	R1.5T3 (D1522)	√	E200	0.24	0.64	0.87	0.76	0.89	0.90	0.85	0.80	B
130BXD	open	-	150	R1.5T3 (D1522)	√	E200	0.17	0.65	0.91	0.7	0.79	0.74	0.80	0.75	B
130BXD	closed	-	150	R1.5T3 (D1522)	√	E200	0.22	0.66	0.91	0.74	0.87	0.78	0.85	0.80	B

Report: Peutz A 2760-1E-RA-001

Panel type Linear	Joint	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
75C	-	75	R1.5T3 (D1522)	√	E200	0.26	0.67	0.87	0.67	0.78	0.73	0.75	0.75	C
150C	-	150	R1.5T3 (D1522)	√	E200	0.26	0.67	0.88	0.66	0.75	0.69	0.75	0.74	C
225C	-	225	R1.5T3 (D1522)	√	E200	0.31	0.68	0.89	0.70	0.76	0.70	0.75	0.76	C
75C/150C/225C	-	75-150-225	R1.5T3 (D1522)	√	E200	0.27	0.66	0.86	0.67	0.75	0.72	0.75	0.74	C
84R	closed	100	R1.5T3 (D1522)	√	E200	0.34	0.65	0.88	0.70	0.74	0.66	0.75	0.74	C
80B	closed	100	R1.5T3 (D1522)	√	E200	0.32	0.69	0.86	0.69	0.73	0.61	0.75	0.74	C
130B	closed	150	R1.5T3 (D1522)	√	E200	0.32	0.66	0.88	0.69	0.73	0.66	0.75	0.74	C
180B	closed	200	R1.5T3 (D1522)	√	E200	0.31	0.65	0.87	0.71	0.75	0.65	0.75	0.74	C
80B/130B/180B	closed	100-150-200	R1.5T3 (D1522)	√	E200	0.33	0.66	0.86	0.69	0.74	0.65	0.75	0.74	C
84B	closed	100	R1.5T3 (D1522)	√	E200	0.28	0.68	0.87	0.69	0.74	0.65	0.75	0.75	C
134B	closed	150	R1.5T3 (D1522)	√	E200	0.22	0.66	0.88	0.68	0.75	0.66	0.75	0.74	C
184B	closed	200	R1.5T3 (D1522)	√	E200	0.34	0.66	0.88	0.72	0.75	0.67	0.75	0.75	C
84B/134B/184B	closed	100-150-200	R1.5T3 (D1522)	√	E200	0.27	0.69	0.89	0.70	0.74	0.66	0.75	0.75	C
30BD	closed	50	R1.5T3 (D1522)	√	E200	0.22	0.59	0.88	0.65	0.83	0.76	0.75	0.74	C

Report: Peutz A 2564-2-RA-001

Panel type Linear	Joint	Infill	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
ICC panel	open	35 x 150	100	R1.5T3 (D1522)	√	E600	0.30	0.37	0.65	0.80	0.87	0.90	0.65 (H)	0.70	C

Report: Peutz MA82

Panel type Linear	Joint	Infill	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
70U	open	PI365	100	-	-	E200	0.89	0.92	0.82	0.78	0.59	0.42	-	0.78	C

Report: Peutz A 2760-2E-RA-001

Panel type Linear	Joint	Lay-On pad	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
80B	closed	-	100	R1.5T3 (D1522)	√	E400	0.40	0.67	0.63	0.71	0.77	0.68	0.70	0.70	C
130B	closed	-	150	R1.5T3 (D1522)	√	E400	0.42	0.68	0.63	0.70	0.77	0.70	0.70	0.70	C
180B	closed	-	200	R1.5T3 (D1522)	√	E400	0.41	0.69	0.62	0.71	0.78	0.70	0.70	0.70	C
80B	closed	40 mm	100	R1.5T3 (D1522)	√	E400	0.47	0.77	0.83	0.88	0.86	0.75	0.85	0.84	B
80B	open	40 mm	100	R1.5T3 (D1522)	√	E400	0.49	0.81	0.91	0.97	0.98	0.91	0.95	0.92	A
130B	closed	40 mm	150	R1.5T3 (D1522)	√	E400	0.47	0.71	0.80	0.89	0.86	0.77	0.85	0.82	B
130B	open	40 mm	150	R1.5T3 (D1522)	√	E400	0.52	0.78	0.87	0.94	0.94	0.88	0.95	0.88	A
180B	closed	40 mm	200	R1.5T3 (D1522)	√	E400	0.45	0.74	0.84	0.88	0.87	0.79	0.90	0.83	A
180B	open	40 mm	200	R1.5T3 (D1522)	√	E400	0.45	0.79	0.87	0.93	0.93	0.87	0.95	0.88	A

Report: Peutz A 3086-1-RA-001

Panel type Linear	Joint	Infill	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
225C	-	-	225	R1.5T3 (D1522)	√	E200	0.40	0.71	0.85	0.69	0.75	0.74	0.75	0.75	C
225C	-	85% PCM	225	R1.5T3 (D1522)	√	E200	0.40	0.56	0.46	0.31	0.37	0.57	0.35 (LH)	0.53	D
225C	-	54% PCM	225	R1.5T3 (D1522)	√	E200	0.37	0.66	0.67	0.51	0.55	0.65	0.55 (L)	0.60	D

LINEAR

Report: Peutz A 1709-1E-RA

Panel type Linear	Joint	Lay-On pad	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
30BD	closed	-	100	R2.0T5 (D2016)	√	E400	0.35	0.70	0.87	0.67	0.81	0.80	0.75	0.75	C
30BD side perf	closed	-	150	R2.0T5 (D2016)	√	E400	0.41	0.75	0.85	0.72	0.87	0.81	0.80	0.80	B
225C	-	-	225	R1.5T3 (D1522)	√	E400	0.33	0.67	0.88	0.72	0.77	0.78	0.75	0.75	C
225C	-	-	225	R2.0T5 (D2016)	√	E400	0.39	0.72	0.87	0.72	0.75	0.74	0.75	0.75	C
80B	closed	-	100	R2.0T5 (D2016)	√	E400	0.41	0.74	0.82	0.70	0.70	0.66	0.75	0.75	C
130B	closed	-	150	R2.0T5 (D2016)	√	E400	0.37	0.71	0.84	0.72	0.74	0.71	0.75	0.75	C
180B	closed	-	180	R2.0T5 (D2016)	√	E400	0.38	0.71	0.84	0.72	0.74	0.71	0.75	0.75	C
84R	closed	-	100	R2.0T5 (D2016)	√	E400	0.43	0.74	0.79	0.70	0.70	0.68	0.75	0.75	C

Report: Peutz A 3842-2E-RA-001

Panel type Linear	Joint	Lay-On pad	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
30BD Al	open	RW553 (25D40)	50	R1.0T2 (D1022)	√	E200	0.33	0.81	1.00	0.93	0.99	0.99	1.00	0.93	A
30BD Fe	open	RW553 (25D40)	50	-	-	E200	0.36	0.88	0.96	0.77	0.61	0.79	0.70 (LM)	0.80	C

Report: Peutz A 3842-4E-RA

Panel type Linear	Joint	Lay-On pad	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
30BD Fe	open	RW553 (40D40)	50	-	-	E200	0.41	0.93	0.98	0.77	0.59	0.79	0.70 (LM)	0.82	C
30BD Fe	open	RW553 (40D40)	50	-	-	E200	0.51	0.92	0.96	0.79	0.67	0.67	0.75 (LM)	0.84	C
30BD Fe	open	RW (25D47)	50	-	-	E200	0.46	0.85	0.97	0.83	0.76	0.67	0.80 (L)	0.85	B
30BD Fe	open	RW (2x25D47)	50	-	-	E200	0.59	0.91	1.03	0.79	0.66	0.66	0.75 (LM)	0.85	C

Report: TPD-HAG-RPT-92-0039

Panel type Linear	Joint	Lay-On pad	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
84C	closed	Glassfibre 25D12	100	R1.0T2 (D1022)	√	E200	0.51	0.95	1.03	0.96	1.00	0.82	-	0.99	-
84C	closed	Glassfibre 25D12	100	R2.0T5 (D2015)	√	E200	0.64	0.99	0.98	0.91	0.92	0.73	-	0.95	-

Report: TPD-HAG-RPT-92-0038

Panel type Linear	Joint	Lay-On pad	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
84C	closed	-	100	R1.0T2 (D1022)	√	E200	0.29	0.65	0.82	0.62	0.68	0.60	-	0.69	-
84C	closed	-	100	R2.0T5 (D2015)	√	E200	0.41	0.80	0.91	0.73	0.73	0.62	-	0.79	-

Report: TPD-HAG-RPT-92-0022

Panel type Linear	Joint	Lay-On pad	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
84C	closed	-	100	R2.0T5 (D2015)	√	E200	0.31	0.69	0.86	0.64	0.70	0.59	-	0.72	-

Report: TPD-824.066

Panel type Linear	Joint	Lay-On pad	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
84C	closed	Glassfibre 25D22	100	R1.0T2 (D1022)	√	E200	0,30	0,80	0,95	0,85	0,80	0,50	-	0.72	-

Report: TPD-HAG-RPT-93-0072

Panel type Linear	Joint	Lay-On pad	Module	Perforation	NW	Mounting	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	NRC	Class
84C	closed	-	100	R2.0T5 (D2015)	√	E200	0,31	0,76	0,89	0,72	0,71	0,63	-	0,77	-

SUSTAINABILITY

Hunter Douglas Ceilings utilizes metal, wood and felt materials to design, engineer and manufacture ceiling systems that optimise interior environmental quality, material resources and energy usage. Hunter Douglas incorporates sustainable materials and employs sustainable practices in its manufacturing processes. When applied as part of an overall building plan for new and renovation construction, solutions from Hunter Douglas may contribute to Green Globes and LEED BD+C and ID+C certification for schools, retail, hospitality, healthcare and commercial interiors.

DAYLIGHTING

Hunter Douglas ceilings diffuse light for visual comfort and move daylight into a space, reducing energy used by artificial lights.

ACOUSTIC COMFORT

Noise of equipment and conversation have been shown to impact worker comfort and productivity. Hunter Douglas acoustical ceilings have noise reduction coefficients α_w up to 1.00.

ENERGY PERFORMANCE

Interior spaces designed with light colours and a minimum of 70% reflectance on the ceilings and walls can reduce artificial lighting requirements significantly, reducing energy consumption.



BUILDING PRODUCT DISCLOSURE

Hunter Douglas Ceilings uses products and materials for which life-cycle information is available and that have environmentally, economically, and socially preferable life-cycle impacts.

INDOOR AIR QUALITY

Perfect for projects where air quality is a priority, nearly all Hunter Douglas products meet low emissions standards for GREENGUARD and GREENGUARD Gold certification.

RECYCLED CONTENT

Using both pre-consumer and post-consumer materials, many Hunter Douglas systems feature recycled components in steel, aluminium, and HDPE plastics.

PARTNERS & PROGRAMS

LEED

LEED is transforming the way we think about how building spaces are designed, constructed, maintained and operated. Hunter Douglas' continued research and development to create ceilings products that are more environmentally friendly contribute to the overall performance of a building, as well as to LEED certification by optimising daylighting and improving acoustical comfort and energy efficiency.

ENVIRONMENTAL PRODUCT DECLARATION (EPD)

Hunter Douglas understands the importance of transparency to sustainable design and building. From raw material extraction through final disposal or reuse, we can provide life-cycle assessments on many of our products environmental impacts.

FSC® CERTIFIED (FOREST STEWARDSHIP COUNCIL)

Hunter Douglas is committed to protecting our forests for future generations. Many of our wooden ceilings are FSC certified, which employ forest friendly resource management and help to reduce environmental impact by promoting responsible consumption. Hunter Douglas' FSC Chain of Custody Certificate # is NC-COC-016324.

CRADLE TO CRADLE

Hunter Douglas adopts the cradle to cradle (C2C) product philosophy to the design of products that fit the circular paradigm. Both our metal and felt ceilings are *Cradle to Cradle™* Bronze certified. They are designed for longevity, using materially healthy technical nutrients that can be reused at end of life as a high-quality source for something new.

Cradle to Cradle Certified™ is a certification mark licensed by the Cradle to Cradle Products Innovation Institute.

OEKO-TEX® STANDARD 100

Hunter Douglas is committed to products that are safe to use and do not contain harmful chemicals or have a detrimental effect on health. Products that are cerified according the OEKO-TEX® Standard 100 contribute to high and effective product safety from a consumer's point of view.

TAIM

As member of TAIM we are obliged to audit our production plant to the requirements of the TAIM certification scheme. Proof of a positive conclusion is the annually issued TAIM Certificate.

HUNTER DOUGLAS

ARCHITECTURAL

For more than 60 years, we've been fortunate enough to help turn countless innovative sketches into innovative buildings. Architects, designers, investors and contractors from around the world have taken advantage of Hunter Douglas' unmatched product development, service and support. Chances are, you've seen more of Hunter Douglas than you think.

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▲ *CEILINGS* *SUN LOUVRES* ▼



▲ *WALLS* *FAÇADES* ▼





Not only are the world's architects and designers our partners, they're our inspiration. They continue to raise the bar for excellence. We create products that help bring their visions to life: Ceilings, Sun Louvres and Façades.

Designed to work for you

CERTIFIED cradle to cradle BRONZE

Hunter Douglas adopts the cradle to cradle (C2C) product philosophy to the design of products that fit the circular paradigm. Our products are designed for longevity, using materially healthy technical nutrients that can be reused at end of life as a high-quality source for something new.

Cradle to Cradle Certified™ is a certification mark licensed by the Cradle to Cradle Products Innovation Institute.

keen on green

Hunter Douglas products and solutions are specifically designed to improve the indoor climate and save energy. They create an environment that is pleasant, healthy, productive and sustainable.



HunterDouglas
Architectural

HISTORY HUNTER DOUGLAS

1919 - Henry Sonnenberg founds his machine tool distribution, later manufacturing, company in Düsseldorf, Germany

1933 - Henry uses 150 railroad cars to move his entire operation to Rotterdam, The Netherlands.

1942 - Henry moves to the US and founds Douglas Machinery Corporation.

1946 - Joe Hunter joins forces with Henry and develops new technology and equipment for the continuous casting and fabrication of lightweight aluminium, leading to the production of Venetian Blinds.

1960 - Hunter Douglas expands into Europe, Australia and Latin America.

1969 - Hunter Douglas stocks are first listed on the Montreal and Amsterdam Stock Exchanges.

2007 - Two new companies join the Hunter Douglas Group - 3Form and NBK Architectural Terracotta. High design, high performance sustainable building solutions, extending Hunter Douglas' commitment to architectural products that are good for people and the planet.

2014 - Hunter Douglas launches BXD 3-dimensional linear ceiling.

2015 - XL*nt*, a super flat swing down acoustic ceiling is launched.

2016 - Hunter Douglas launches HeartFelt®, the first modular Felt Ceiling system ever.

2020 - Hunter Douglas launches HeartFelt® Baffle ceilings, combining our innovative soft ceiling material with a bold product design.

2021 - Hunter Douglas develops and launches HeartFelt® Origami. This exciting new concept in felt ceiling design allows the freedom to choose a ceiling panel that delivers both aesthetically and acoustically.

2021 - Hunter Douglas brings out Concrete Veneer Ceiling Tiles and Wall Panels. 1.5 mm layer of real concrete is applied to wood based panels so a lightweight, robust, industrial, contemporary concrete ceiling or wall finish can be created.



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We support our business partners with a wide range of technical consulting and support services for architects, developers and installers. We assist architects and developers with recommendations regarding materials, shapes and dimensions, colours and finishes.

We also help with the creation of design proposals, visualisations, and installation drawings. Our services to installers range from providing detailed installation drawings and instructions to training installers and advising on the building site.

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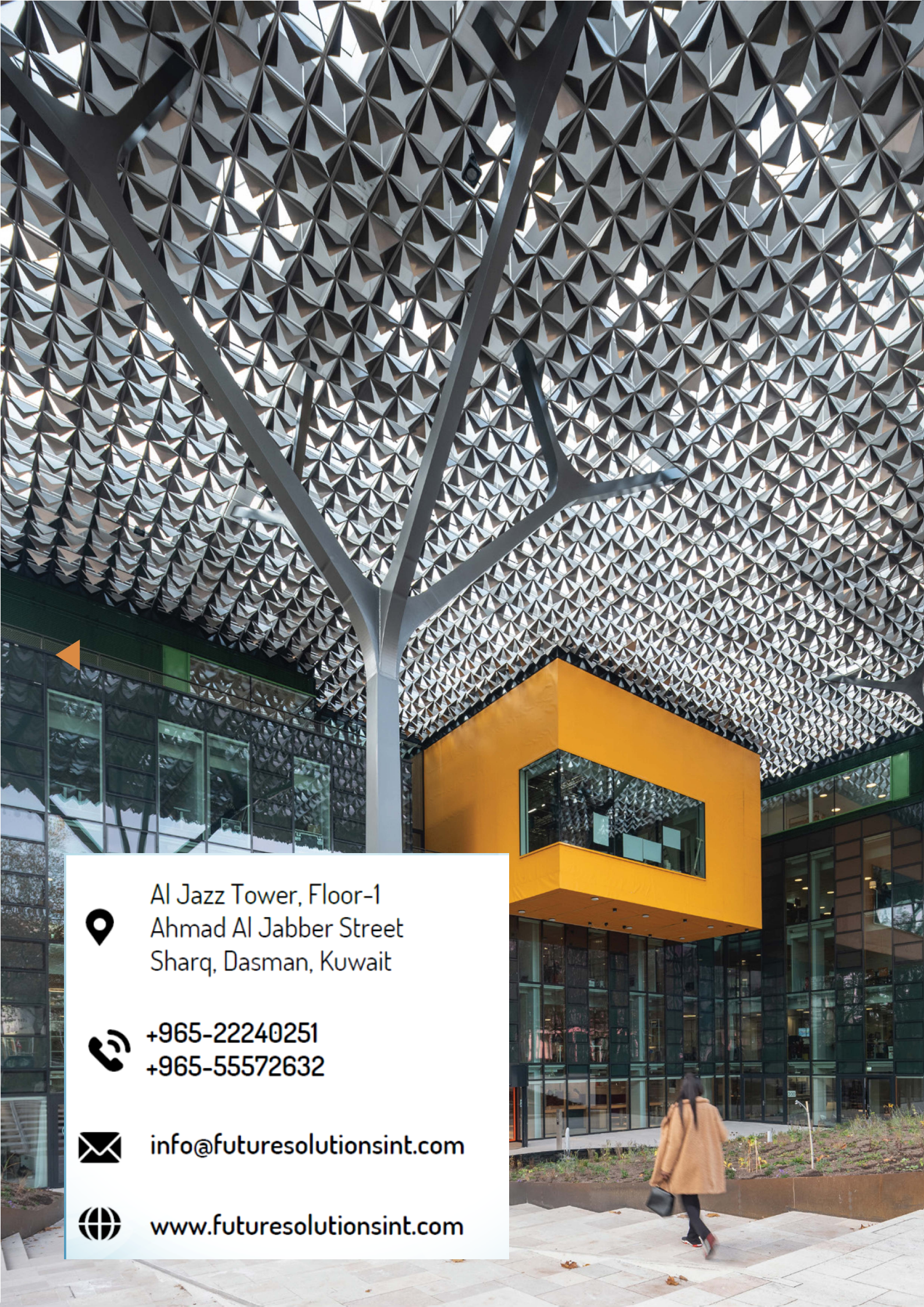
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Project : City Hall, Heerlen, The Netherlands
Product : Veneered wood Grill ceiling
Architect: xxx





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