

LUXALON®

V100/V200

Hunter Douglas Luxalon® V100/V200 Ceilings **open up** new possibilities in directional room design. Employ **smooth, open ceilings with unique visual patterns and lines** to provide a spacious environment.



HunterDouglas

CEILING

V100/V200

Providing spacious environment



FLEXIBLE BY DESIGN

Luxalon® ceiling systems offer almost endless design possibilities. Our wide variety of products, colours, and finishes can be combined to create dramatic, high-quality ceilings.

Luxalon® V100/V200 screen ceilings are engineered to dimensionally define the ceiling plane. Consisting of vertically hung, 'floating' panels, V100/V200 creates unique visual patterns and lines without compromising the sense of a spacious environment.

Luxalon® V100/V200 screen ceilings mask the plenum while allowing easy access as well as efficient performance of air conditioning, lighting, and sprinkler systems.

DECO CREATES DECORATIVE DEFINITION

Luxalon® V100/V200 Deco brings extra dimension to screen ceilings. The Deco elements help designate special areas by drawing the eye with noticeable depth and character. Define a walking route, coffee corner, or reception area.

Using the standard V100/V200 and V100/V200 Deco either together, or individually, is an ideal solution for important spaces in airports, entrance areas, and exhibition halls.



FIRE BEHAVIOUR

Luxalon® metal suspended ceilings are fully tested for reaction to fire, and are classified A2, s1, d0 according to EN 13501-1 and will therefore not contribute to possible fires. When ceilings however need to protect structural integrity of the building, Luxalon® ceilings offer a range of practical and tested solutions with regards to fire stability. Further information is available on request. www.hunterdouglascontract.com

The Luxalon® screen ceiling is ideal for visually reducing room height while retaining original room volume.

The Luxalon® screen ceiling excels at diffusing daylight or artificial light entering from above.

At a minimum angle of approximately 45 degrees, the ceiling has a closed appearance.

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Innovative Products Make Innovative Projects



Production by
Hunter Douglas
Ceiling Center



HunterDouglas

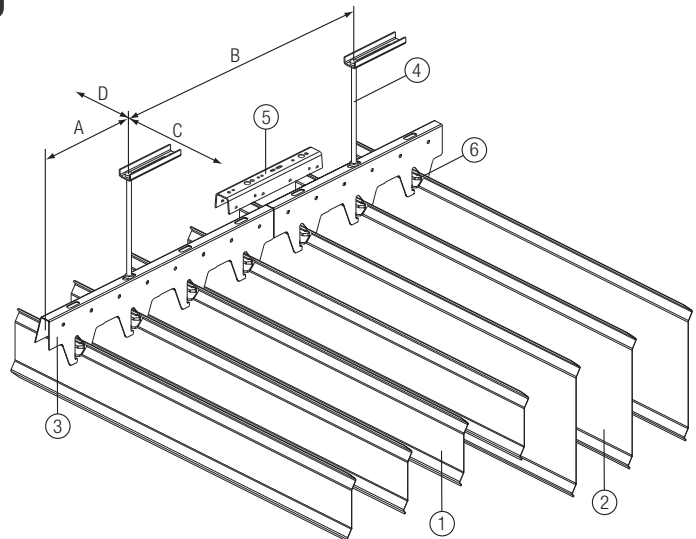
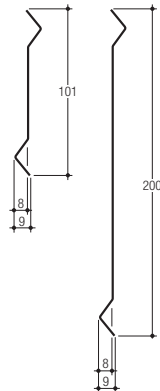
V100/V200 Screen Ceiling

PANELS

The Luxalon® V100/V200 screen ceiling system is a lightweight, floating ceiling. The panels (1 & 2) come in either 101 mm high (V100) or 200 mm high (V200) and clip easily to the carrier (3). The stove-enamelled panels and carriers are lightweight and recyclable. Panels are made to measure and available in any length up to 6000 mm.

Select from a white or black panel carrier (3). The carrier is made of 0.95 mm thick stove-enamelled aluminium, and includes prongs to accommodate the panels in a 100 mm, 150 mm, or 200 mm module. The carriers have a standard length of 5000 mm and are connected using the carrier splice (5).

The clear PVC fixing clips (6) are used to secure the V100 panels in exterior applications.

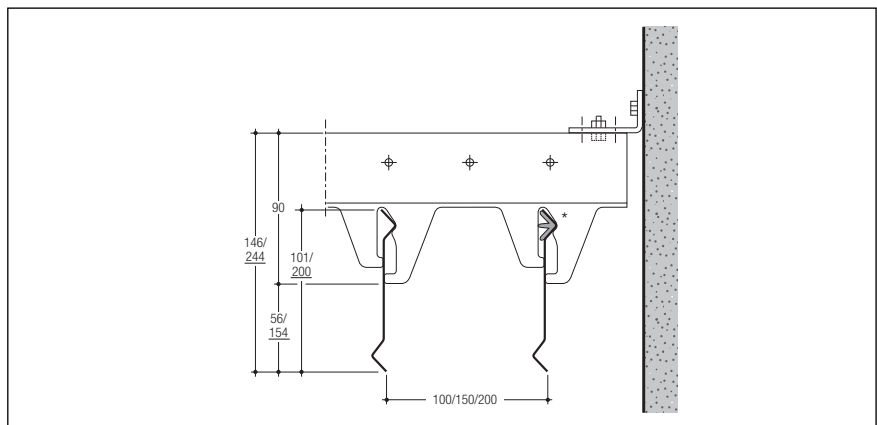


- 1 = V100 panel
- 2 = V200 panel
- 3 = carrier
- 4 = hanger
- 5 = carrier splice
- 6 = panel fixing clip

CONSTRUCTION DETAILS

In exterior applications, use the panel fixing clip to secure the panels (V100 only).

Lighting, sprinklers, smoke detectors, speaker systems, security systems, and air conditioning will function efficiently when installed above the open ceiling.



MAXIMUM SPANS

The maximum distance between the carriers on both sides of a joint should be 1.220 mm. The minimum distance is 220 mm. The minimum clearance between the panel ends should be 20 mm.

| Module (mm) | Carrier span (mm) | | | | Panel span (mm) | | |
|-------------|-------------------|-----------------|--------------|-----------------------|-----------------|------|-----|
| | A | 2 fixing points | | 3 or more fix. points | | C | D* |
| | | B | B | B | B | | |
| 100 | 500 | V100 1700 | V200 1450 | V100 2000 | V200 1700 | 2100 | 600 |
| 150 | 500 | 1850 | 1600 | 2200 | 1900 | 2100 | 600 |
| 200 | 500 | 2000 | 1750 | 2350 | 2050 | 2100 | 600 |

* Min. 100 mm

PLENUM ACCESSIBILITY

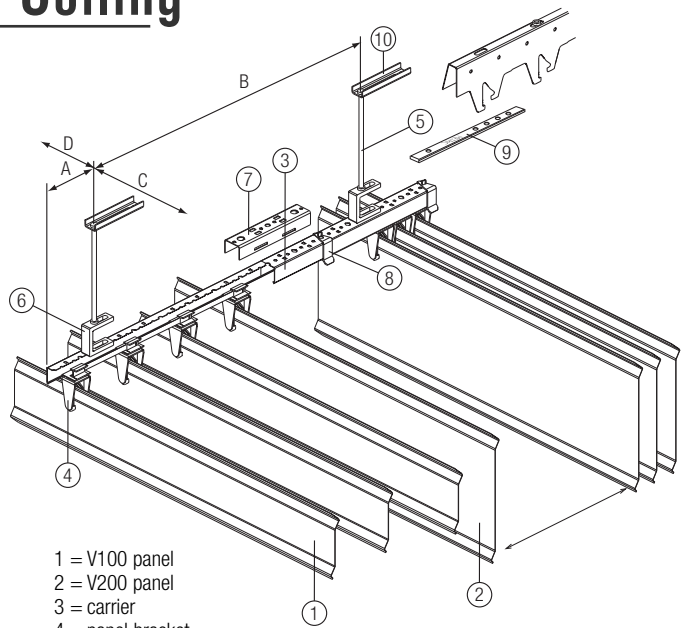
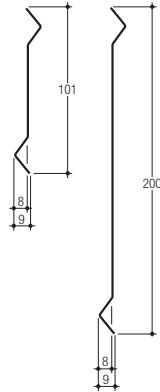
There is no need to remove the panels to fully access the plenum. However, each panel in the Luxalon® V100/V200 screen ceiling system can be easily removed and replaced by hand.

V100/V200 Sliding Screen Ceiling

PANELS

The Luxalon® V100/V200 sliding screen ceiling system is a lightweight, floating ceiling that features movable panels. Sections of ten panels slide back to improve access to the plenum. The panels (1 & 2) are either 101 mm high (V100) or 200 mm high (V200) and are easily clipped into the panel brackets (4). The stove-enamelled aluminium panels are lightweight and recyclable. Panels are made to measure and available in any length up to 4000 mm.

The black U-shaped carrier (3) is made of 0.6 mm thick stove-enamelled steel. Panel bracket assemblies, consisting of ten panel brackets (polycarbonate) and nine steel spacers, are available in 100, 150, and 200 mm modules. These brackets are easily slid into the carriers. The carriers come in a standard length of 5000 mm and are connected using the carrier splice (7).

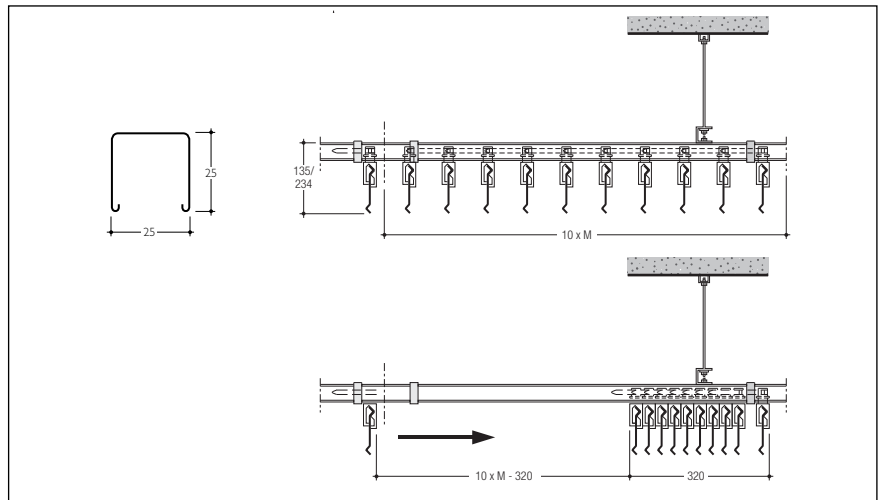


- 1 = V100 panel
- 2 = V200 panel
- 3 = carrier
- 4 = panel bracket
- 5 = hanger
- 6 = U-bracket
- 7 = carrier splice
- 8 = panel stop
- 9 = connecting piece
- 10 = suspension element

CONSTRUCTION DETAILS

The sliding screen system and the standard screen ceiling can be installed together in one project. The connecting piece (9) connects the sliding carrier to the fixed carrier.

Panel stops (8) lock the panels in place.



MAXIMUM SPANS

| | Carrier span (mm) | | Panel span (mm) | |
|-------------|--------------------|------|-----------------|-----|
| | A | B | C | D* |
| All modules | > one panel module | 1700 | 1500 | 500 |

* Min. 300 mm

PLENUM ACCESSIBILITY

The sliding system allows for easy access to the plenum. If necessary, each panel is demountable and replaceable by hand.

Specifications

DIMENSIONS

Panels from 250-1000 mm and > 6000 mm are available on request. Panels longer than 4000 mm should not be used in a sliding screen ceiling.

| Panel | Height | Min. length | Max. length screen ceiling | Max. length sliding screen |
|-------|--------|-------------|----------------------------|----------------------------|
| V100 | 101 | 1000 | 6000 | 4000 |
| V200 | 200 | 1000 | 6000 | 4000 |

WEIGHTS IN KG/M²

Weights are based on a system installed on three or more fixing points.

| Module in mm | V100 panels incl. aluminium carrier | V200 panels incl. aluminium carrier |
|--------------|-------------------------------------|-------------------------------------|
| 100 | 2.1 | 3.9 |
| 150 | 1.5 | 2.6 |
| 200 | 1.1 | 2.0 |

MATERIAL REQUIREMENT PER M² SCREEN CEILING SYSTEM

Other accessories depend on individual project requirements. Figures are based on maximum spans, and the use of three or more fixing points.

| | M100 | M150 | M200 |
|-------------------|----------|----------|----------|
| Panels | 10 lm | 6.67 lm | 5 lm |
| Carriers | 0.48 lm | 0.48 lm | 0.48 lm |
| Carrier splice | 0.10 pcs | 0.10 pcs | 0.10 pcs |
| Suspension V100 | 0.24 pcs | 0.22 pcs | 0.20 pcs |
| Suspension V200 | 0.28 pcs | 0.25 pcs | 0.23 pcs |
| Panel fixing clip | 4.8 pcs | 3.2 pcs | 2.4 pcs |

MATERIAL REQUIREMENT PER M² SLIDING SCREEN SYSTEM

Other accessories depend on individual project requirements. Figures are based on maximum spans, and the use of three or more fixing points.

| | M100 | M150 | M200 |
|----------------|----------|----------|----------|
| Panels | 10 lm | 6.67 lm | 5 lm |
| Carriers | 0.67 lm | 0.67 lm | 0.67 lm |
| Carrier splice | 0.13 pcs | 0.13 pcs | 0.13 pcs |
| Suspension | 0.4 pcs | 0.4 pcs | 0.4 pcs |
| Panel brackets | 0.67 pcs | 0.44 pcs | 0.33 pcs |
| Panel stop | 1.34 pcs | 0.88 pcs | 0.67 pcs |

MATERIAL SPECIFICATIONS

Quality

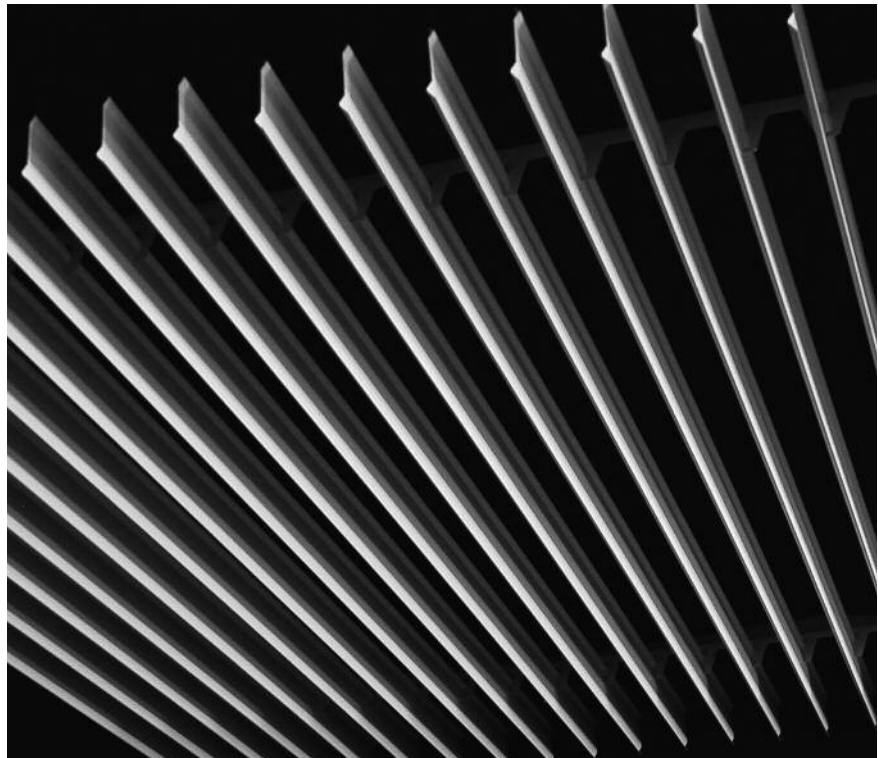
The roll formed aluminium V100/V200 panels and extruded aluminium Deco elements are durable and fully recyclable.

Coating

The tough and durable polyester finish, in a nominal thickness of approximately 20 microns, is stove-enamelled in a continuous coil-coating process. This ensures uniform coating thickness and absolute adhesion.

Luxalon® colour range

The Luxalon® V100/V200 colour range includes a wide variety of colours and finishes. See the Luxalon® colour chart for all available options. All RAL and NCS colours are also available on request.



V100 Linear Ceiling system

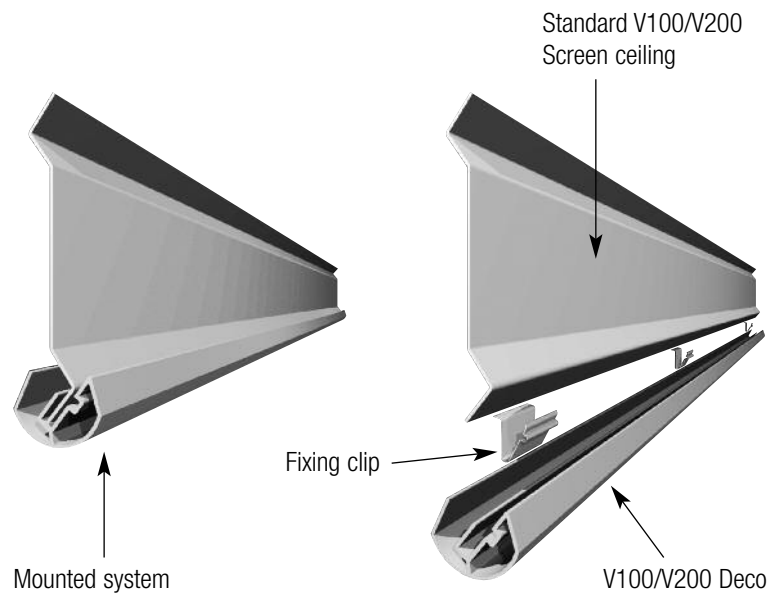
V100/V200 Deco

ELEMENTS

Luxalon® V100/V200 Deco elements are wooden or aluminium profiles that open up new design possibilities for screen ceilings. Deco elements are available in stained solid wood, powder-coated, or anodized extruded aluminium. These elements are easily fixed to the screen ceiling. You can use a standard profile design or customize your own.

INSTALLATION DETAILS

The basis consists of a standard V100/V200 ceiling with aluminium carriers. Specially designed stainless steel fixing clips make it easy to clip V100/V200 Deco to the panels.



COLOURS AND FINISHES

Deco elements come standard in anodized aluminium or in RAL 9010. All other RAL colours are available on request. Standard Deco wood stains are Beech and Cherry, ask your local Hunter Douglas specialist for additional options.

TECHNICAL DETAILS FIXING CLIP

- Main clip distance is 700 mm in equal distances
- Minimum is 2 clips per panel
- Clip can be used as splice
- Deco profile can be used over multiple panels

PANEL AND CARRIER SPAN V100 DECO

| Module (mm) | Carrier span (mm) | | | | Panel span (mm) |
|-------------|-----------------------------------|----------------------------------|-----------------------------------|----------------------------------|-----------------|
| | 2 fixing points | | 3 or more fix. points | | |
| | V100 + Wood deco (max 167 g/m) | V100 + Alu deco (max 323 g/m) | V100 + Wood deco (max 167 g/m) | V100 + Alu deco (max 323 g/m) | |
| 100 | 1350 | 1200 | 1850 | 1650 | 1600 |
| 150 | 1600 | 1400 | 2100 | 1850 | 1600 |
| 200 | 1750 | 1550 | 2350 | 2050 | 1600 |

PANEL AND CARRIER SPAN V200 DECO

| Module (mm) | Carrier span (mm) | | | | Panel span (mm) |
|-------------|-----------------------------------|----------------------------------|-----------------------------------|----------------------------------|-----------------|
| | 2 fixing points | | 3 or more fix. points | | |
| | V200 + Wood deco (max 167 g/m) | V200 + Alu deco (max 323 g/m) | V200 + Wood deco (max 167 g/m) | V200 + Alu deco (max 323 g/m) | |
| 100 | 1200 | 1100 | 1650 | 1500 | 1600 |
| 150 | 1400 | 1250 | 1850 | 1700 | 1600 |
| 200 | 1550 | 1400 | 2050 | 1900 | 1600 |

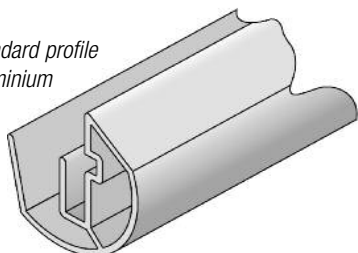
In case of higher profile weights other carrier spans do apply.

Designs

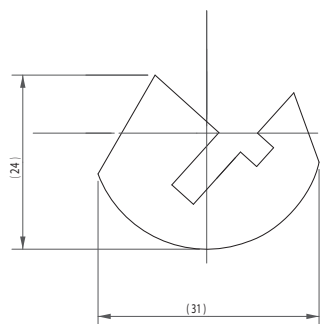
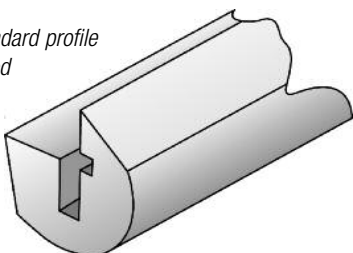
STANDARD DESIGN

The standard Deco design is a quarter round shape in aluminium or wood.

Standard profile
Aluminium



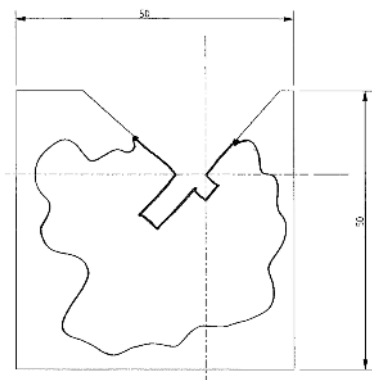
Standard profile
Wood



Dimensions Standard profile

CUSTOM DESIGN

To make your own unique design in either aluminium or wood, use a standard mounting groove on the profile where the fixing clip is attached.

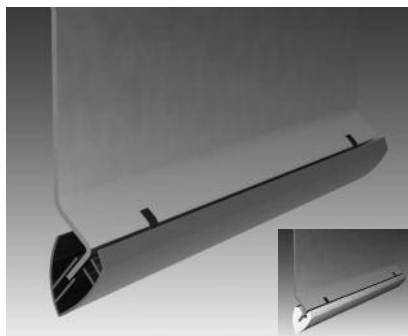


This will ensure that the Deco element fits the V100/V200 panels. The area around the fixing clip invites individual designs that achieve creative solutions.

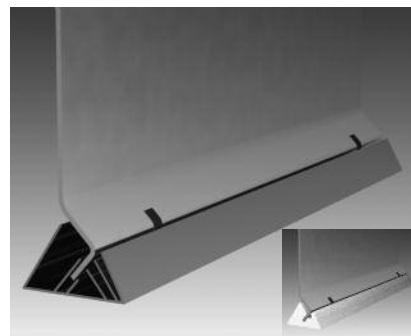
V100/V200 CEILING SYSTEM WITH DECO



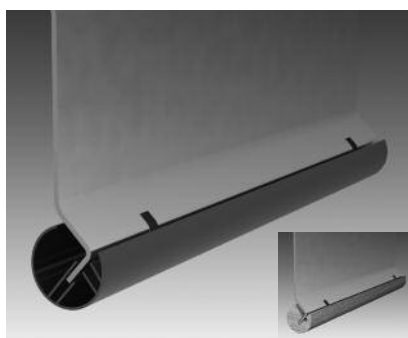
CUSTOM DESIGN EXAMPLES



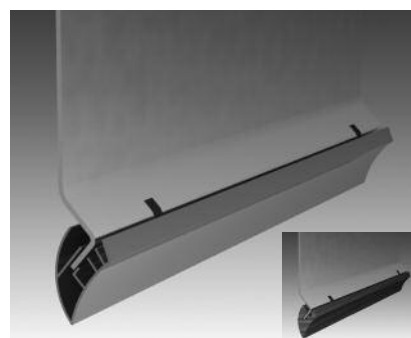
Deco Fat Curved, aluminium (birch)



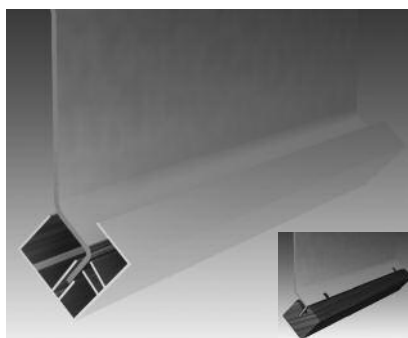
Deco Pyramid, aluminium (birch)



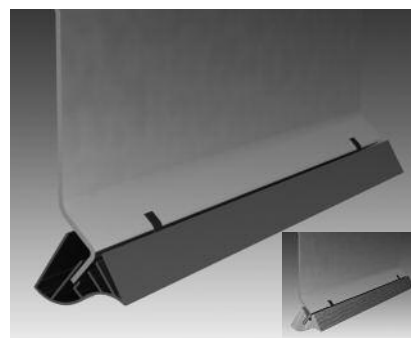
Deco Round, aluminium (cherry)



Deco Tooth, aluminium (teak)



Deco Square, aluminium (teak)



Deco Wave, aluminium (cherry)

Material specifications

- Fire behaviour

Luxalon® metal suspended ceilings are classified incombustible and will therefore not contribute to possible fires. When ceilings however need to protect the structural integrity of the building, Luxalon® ceilings offer a range of practical and tested solutions with regards to fire resistance and fire stability. Further information is available on request.



- ENVIRONMENT

We are dedicated manufacturing a sustainable product. Our paint and aluminium melting processes are considered to be one of the industry standards in terms of clean production processes. All aluminium products are 100% recyclable at the end of their lifecycle.



- EXTERIOR USE

Our proprietary coil-coating process ensures ceiling panels get a superb finish. Independent tests have proven the excellent performance characteristics of Luxacote®. The topcoat contains a solid UV filter that guarantees perfect colourfastness and gloss stability. The topcoat also offers better resistance against scratches with a structure that resists and masks any minor damage that may occur during installation, resulting in a high abrasion resistance. The alloy and pre-treatment also offers optimal resistance to corrosion.

- Colour range

The standard Hunter Douglas interior and exterior colour range for Luxalon® Linear ceiling systems includes several different colours and finishes. See colour chart. Any other (RAL or NCS) colour is available on request.

- Tolerances

As a member of the Technical Association of Industrial Metal Ceiling Manufacturers (TAIM), Hunter Douglas complies with tolerance criteria as specified in chapter 4 of the TAIM Quality standards for metal.



Project: Rosengårdcenter Rød Gade, Denmark

EXTERIOR USE: (ALL LINEAR CEILINGS)

Exterior building applications cope with severe conditions like wind, rain, snow, dirt, vandalism and UV light. Our special aluminium alloy, high-quality surface treatments featuring Luxacote® and our windproof systems ensure durability in applications like canopies, shopping centres and railway/underground stations.

- Box-shape, bevel-edge and round-edge panels
- Special alloy of corrosion-resistant aluminium
- Luxacote® coating system resistant to UV and scratches and is rain-, dirt- and snow-proof
- Certified for wind loads

HUNTER DOUGLAS ARCHITECTURAL PRODUCTS

In the last 50 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.

With major operation centres in Europe, North America, Latin America, Asia and Australia, we've contributed to thousands of high-profile projects, from retail and commercial facilities to major transit centres and government buildings.

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: Window Coverings, Ceilings, Sun Control Systems and Façades.



Promoting sustainable
forest management
www.pefc.org



Hunter Douglas products and solutions are designed to improve indoor environmental quality and conserve energy, supporting built environments that are comfortable, healthy, productive, and sustainable.



Our paint and aluminium melting processes are considered to be one of the industry standards in terms of clean production processes. All aluminium products are 100% recyclable at the end of their lifecycle.

ARCHITECTURAL SERVICES

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 and colours and finishes. We also help creating design proposals, visualisations and mounting drawings. Our services to installers range from providing detailed installation drawings and instructions to training installers and advising on the building site.



HunterDouglas

CEILING



PARTICIPANT

HUNTER DOUGLAS is a publicly traded company with activities in more than 100 countries with over 150 companies.

The origin of our company goes back to 1919, in Düsseldorf, Germany. Throughout our history, we have introduced innovations that have shaped the industry, from the invention of the continuous aluminium caster, to the creation of the first aluminium Venetian Blinds, to the development of the latest high-quality building products.

Today we employ more than 16,500 people in our companies with major operation centres in Europe, North America, Latin America, Asia and Australia.

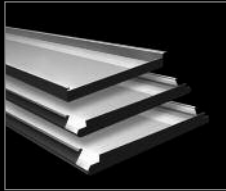
Innovative Products Make Innovative Projects

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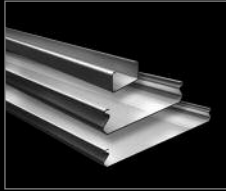
Learn More

- Contact our Sales office
- www.hunterdouglascontract.com

Wide Panel



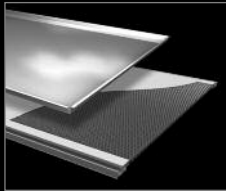
Linear



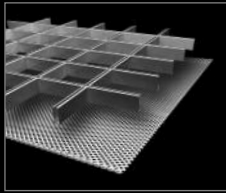
Screen



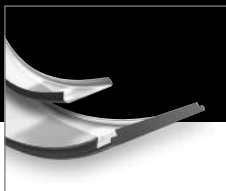
Tiles
XL panel



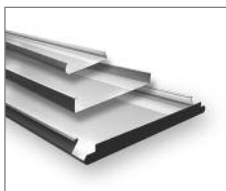
Cell
Stretch metal



Curved



Exterior



- Belgium
- Bulgaria
- Croatia / Slovenia
- Czechia
- Denmark
- France
- Germany
- Greece
- Hungary
- Italy
- The Netherlands
- Norway
- Poland
- Portugal
- Romania
- Russia
- Serbia
- Slovakia
- Spain
- Sweden
- Switzerland
- Turkey
- United Kingdom
- Africa
- Middle East
- Asia
- Australia
- Latin America
- North America

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