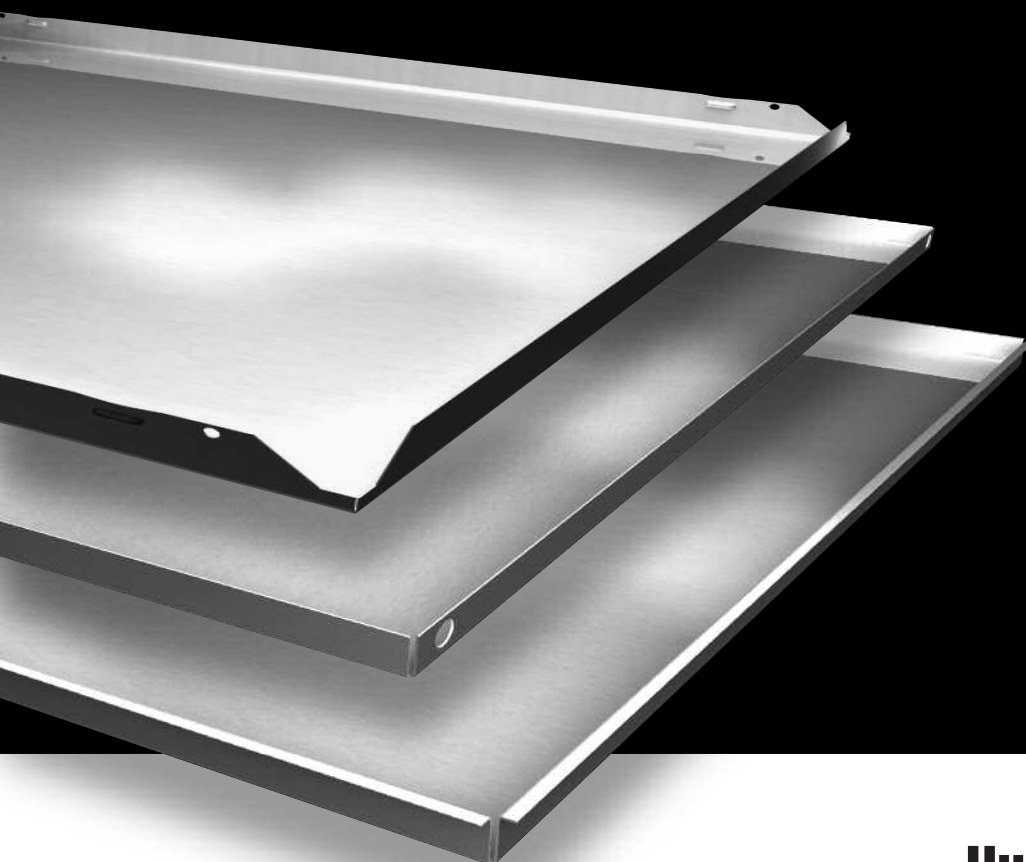




**LUXALON®**

# Tiles

Hunter Douglas Luxalon® Tile Ceilings providing interesting combination of style and functionality with easy access to the plenum. These systems are available in a variety of installation concepts for a strong and flexible timeless ceiling.



**HunterDouglas**

CEILINGS



# Tiles

An unique sense of tile

## DESIGN FLEXIBILITY

Luxalon® Tile Ceiling systems from Hunter Douglas offer the combination of style and functionality for which we are known. These systems are available in different installation concepts.

Lay-On and Lay-In Tiles provide easy access and are ideal for situations where regular maintenance or service is required on installations in the plenum. Clip-In Tiles are available in a wide variety of pre-defined square and rectangular module sizes that are common used in ceiling design. For frequent accessibility, swing down Clip-In Tiles can be included in the ceiling design.

## LONG LASTING, LOW MAINTENANCE

Luxalon® Tile Ceiling systems are manufactured from durable aluminium or steel. Finished with a powder coating or produced from durable coil coated material, these ceilings will last longer and require less maintenance.

## EASY PLENUM ACCESS

Luxalon® Tiles from Hunter Douglas allow full plenum access and can be easily demounted by hand or simple tools.

## PERFECTLY PERFORATED ACOUSTICS

Perforated tiles improve acoustical performance as well as creating aesthetic effects. Luxalon® perforated Tiles come with a special sound-absorbing non-woven tissue glued into the panel, further enhancing acoustical performance.



#### PROVEN FIRE PROTECTION

All Luxalon® Tile Ceiling systems have earned a high reaction to fire classification according to EN 13501-1, in official fire tests at Efectis, Rijswijk - an independent Dutch fire research institute. For more information visit [www.hunterdouglascontract.com](http://www.hunterdouglascontract.com)

No matter your style, our ceilings have the looks you love. Whatever your project's needs, our Tile Ceilings give you the freedom to think inside or outside the box.

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## Innovative Products Make Innovative Projects



**HunterDouglas**

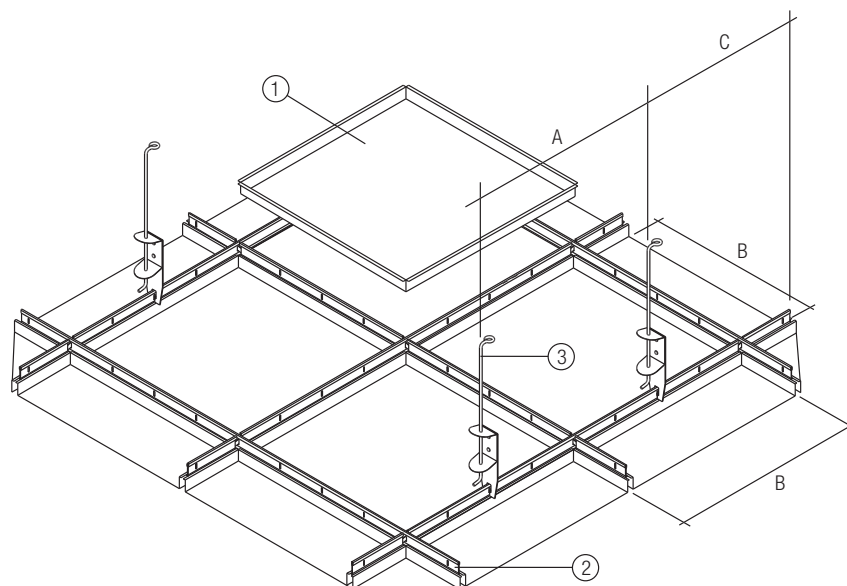
# Lay-In & Lay-On

## TILES

Luxalon® Lay-In & Lay-On Tiles are designed to be installed in conventional T-Grid systems with T-Bar sizes of 15 mm or 24 mm. By pushing the tile up-wards, all types provide easy access to the plenum without the use of special tools.

The exposed T-Grid of Luxalon® Lay-In & Lay-On Tiles enhances the modular design pattern. A more distinctive emphasis can be provided by the use of wide T-grids and 16 mm deep reveals, or less prominent by using 15 mm T-grids and an 8 mm reveal. Luxalon® Lay-In and Lay-On Tiles provide easy access by lifting and tilting the ceiling tiles. They are ideal for situations where regular maintenance or service is required to ducts, pipes, airco-systems, or computer-or telephone networks. Before selecting this system, care should be taken to ensure that there is enough space in the plenum to lift the tiles upward.

Because the Luxalon® Lay-In and Lay-On system offers easy access and adaptability, lighting and services can be conveniently repositioned. This is particularly useful for supermarkets, laboratories, computer suites and offices

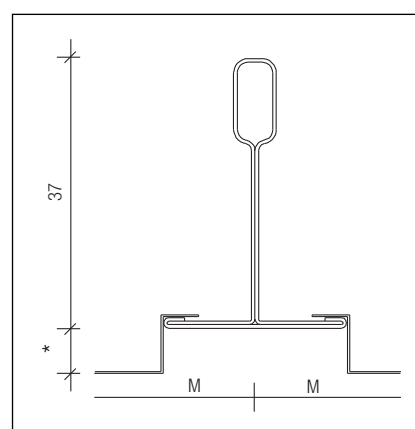


- 1 = Lay-In tile
- 2 = T-grid (non HD)
- 3 = Hangers (non HD)

A = 1200 mm (max.)  
B = Module  
C = 250 mm (max.)

## CONSTRUCTION DETAILS

\* Depth of reveal



## DIMENSIONS

### Lay-In Tiles 15/8; 15 mm Grid 8 mm Reveal



Module in mm	Gauge	
	Steel	Alu
600 x 600	0.5-0.6	0.5-0.6-0.7
600 x 1200	0.5-0.6	0.5-0.6

### Lay-In Tiles 24/8; 24 mm Grid 8 mm Reveal



Module in mm	Gauge	
	Steel	Alu
600 x 600	0.5-0.6	0.5-0.6-0.7
600 x 1200	0.5-0.6	0.5-0.6

### Lay-On Tiles 15/24; 15 mm or 24 mm Grid



Module in mm	Gauge	
	Steel	Alu
600 x 600	0.5-0.6	0.5-0.6-0.7
600 x 1200	0.5-0.6	0.6

### Lay-In Tiles 24/0; 24 mm Grid 0 mm Reveal



Module in mm	Gauge	
	Steel	Alu
600 x 600	0.5-0.6	0.5-0.6-0.7

### Lay-In Tiles 24/16; 24 mm Grid 16 mm Reveal



Module in mm	Gauge	
	Steel	Alu
600 x 600	0.5-0.6	0.5-0.6-0.7

## MATERIAL REQUIREMENT PER M<sup>2</sup>

Components	Unit	600 x 600	600 x 1200
Tiles	pcs	2.78	1.39
Grid Profile	m <sup>1</sup>	3.34	2.5
Suspension	pcs	0.69	0.83

# Clip-In 4.2 mm

## TILES

The Luxalon® Clip-In Tile system has a bevelled edge to form visually closed joints.

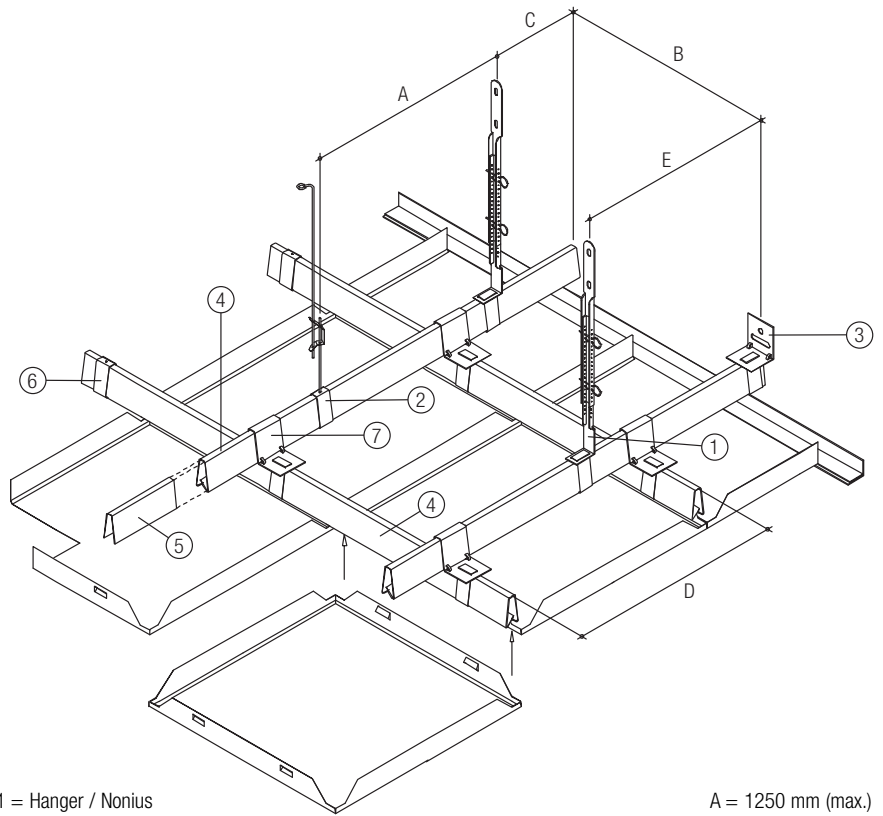
The 4.2 mm bevel will emphasise the crispness of the tile ceiling design with fine jointlines.

Luxalon® Clip-In Tiles are available in a wide variety of pre-defined rectangular module sizes that are commonly used in ceiling design.

Dimples in the longitudinal tile-edges, enable each tile to be clipped into the concealed Luxalon® Grid system. There is one universal Clip-In profile available for both the primary and secondary support structure.

Perimeter tiles are cut into an edge cover profile. Closed joint details make the Luxalon® Clip-In Tile systems ideal for areas related to hygiene.

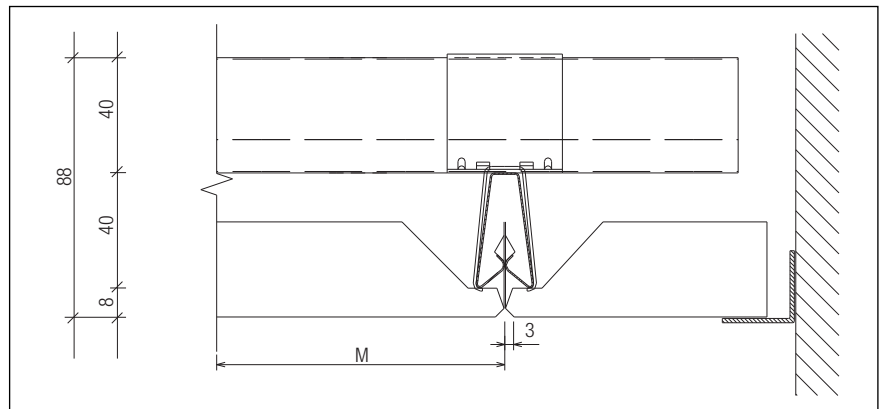
Individual tiles can easily be released from the grid-profiles with a simple tool that is inserted between adjacent tiles on both edges, combined with downward pulling.



- 1 = Hanger / Nonius
- 2 = Hanger / Rod
- 3 = Wall Clamp
- 4 = Primary/secondary Clip-In Profile
- 5 = Clip-In Profile Splice
- 6 = End Clamp
- 7 = Cross Connector

- A = 1250 mm (max.)
- B = 1200 mm (max.)
- C = 250 mm (max.)
- D = Tile size (max.)
- E = 1250 mm (max.)

## CONSTRUCTION DETAILS



## DIMENSIONS

### Clip-In 4.2 mm Bevel 'Tile-Options'

Module in mm	Gauge	
	Steel	Alu
300 x 300*	0.5-0.6	0.5-0.6-0.7
300 x 600*	0.5-0.6	0.5-0.6-0.7
300 x 1200*	0.5-0.6	0.5-0.6-0.7
600 x 600	0.5-0.6	0.5-0.6-0.7
600 x 1200	0.5-0.6	0.6-0.7

\*To be used with special Clip-In Profile

### Clip-In 4.2 mm Bevel 'Swing Down'

Module in mm	Gauge	
	Steel	Alu
600 x 600	0.5-0.6	0.6-0.7

## MATERIAL REQUIREMENT PER M<sup>2</sup>

Components	Unit	600 x 600	600 x 1200
Tiles	pcs	2.78	1.39
Clip-In Rail	m <sup>1</sup>	2.50	1.67
Rail Connector	pcs	1.39	0.69
Rail Splice	pcs	0.50	0.33
Suspension	pcs	0.67	0.64

# Acoustics

## ACOUSTIC PERFORMANCE

On order to improve interior sound control, the Luxalon® Tile program can be delivered in two standard perforation patterns with an open area of 16% or 22%. These patterns are framed with a plain border of 10 mm in order to assure maximum flatness and product stability. As a standard feature, perforated tiles are supplied with a sound absorbing non-woven tissue, glued into the tile for enhanced acoustical performance.

## SOUND ABSORPTION

### - Curve 1

Type D1522

1.5 mm Ø perforated tiles with acoustic non woven, plenum depth 400 mm, open area 22%

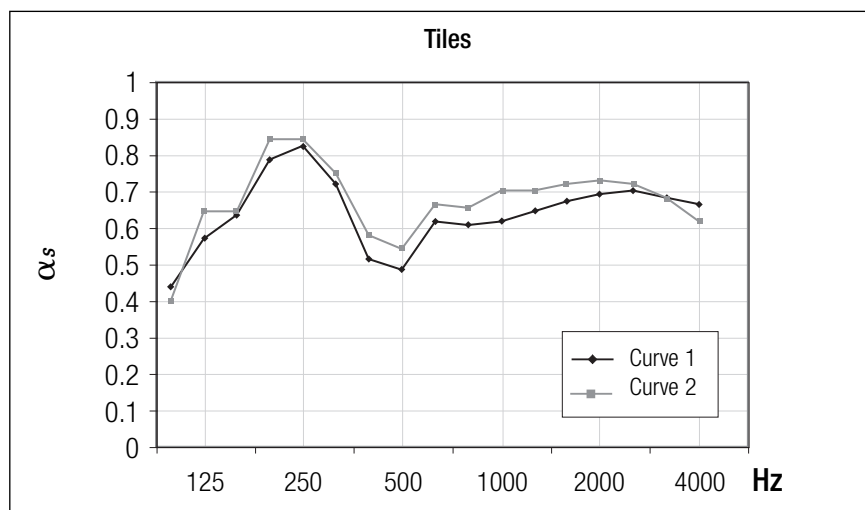
### - Curve 2

Type R2516

2.5 mm Ø perforated tiles with acoustic non woven, plenum depth 400 mm, open area 16%

Tested by Peutz, test report no. A1818

## ACOUSTIC PERFORMANCE

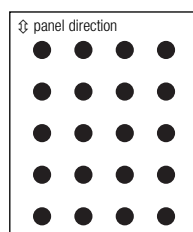


Freq. Hz.	125	250	500	1000	2000	4000	αw	NRC
Curve 1	0.56	0.80	0.55	0.64	0.71	0.70	0.65	0.65
Curve 2	0.57	0.84	0.61	0.70	0.74	0.67	0.70	0.70

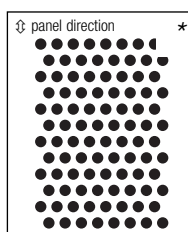
## PERFORATION PATTERNS

\* D1522: Not available in 0.5 mm aluminium.

Note: Perforated products have a nominal plain border of 10 mm.

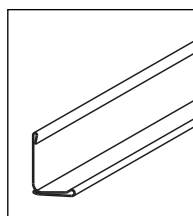


**R2516:** Ø 2.5 mm  
↕ 5.5 ↔ 5.5  
Openness 16%

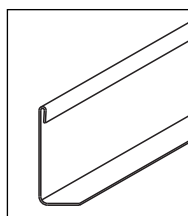


**D1522:** Ø 1.5 mm  
↕ 2.15 ↔ 4.3  
Openness 22%

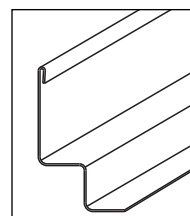
## EDGE PROFILES



Wall L-profile  
Alu 0.5 mm  
(29.2 x 19.4)



Wall L-profile  
Fe/Alu 0.8 mm  
(45 x 18.5)



Wall W-profile  
Fe/Alu 0.8 mm  
(45 x 21 x 21 x 18.5)



# 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.

## - BASE MATERIAL

Luxalon® Lay-on, Lay-in and Clip-In Tiles are available in aluminium or steel with high industrial standards (DIN 1541/BS 1449, part 1:1983/TAIM standards).

## - POWDER COATING

The tough and durable polyester powdercoating finish in a minimal thickness of 60 microns, is electrostatically applied ensuring uniform coating thickness, absolute adhesion, maximum resistance to abrasion.

## - COIL COATING

Because Luxalon® coatings are applied before perforation and bending process, exposed edges are not protected. Standard gloss rate is 15 - 20% at 60° angle of incidence.

## - Colour range

The standard colour is white. Any other RAL or NCS colour is available on request.

## - Standard Colour Range

RAL 9010 powder coated

RAL 9003 coil coated



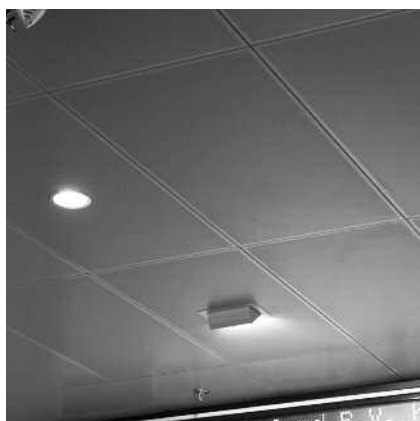
Project : Toei Oedo Line Nakai station  
Location : Japan  
Product : Clip-in Tiles

# Impressions

*Project : SAP*

*Location : Den Bosch, The Netherlands*

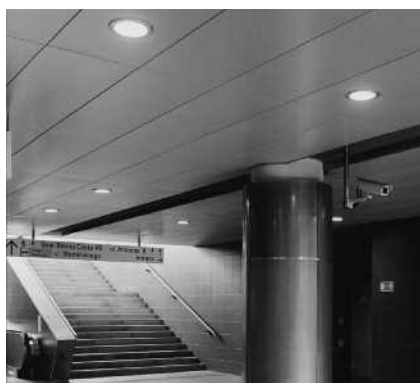
*Product : Metal Tiles*



*Project : Gdanska underground station*

*Location : Warsaw, Poland*

*Product : Metal Tiles*



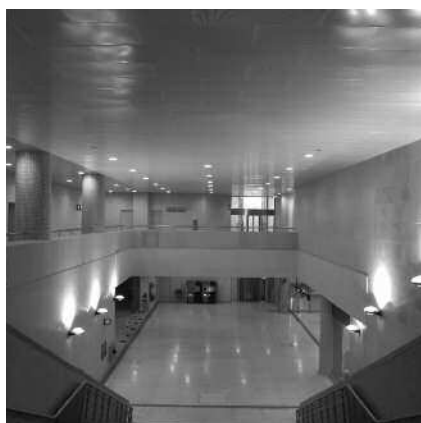


# Impressions

*Project : Falagueira underground station*

*Location : Amadora, Portugal*

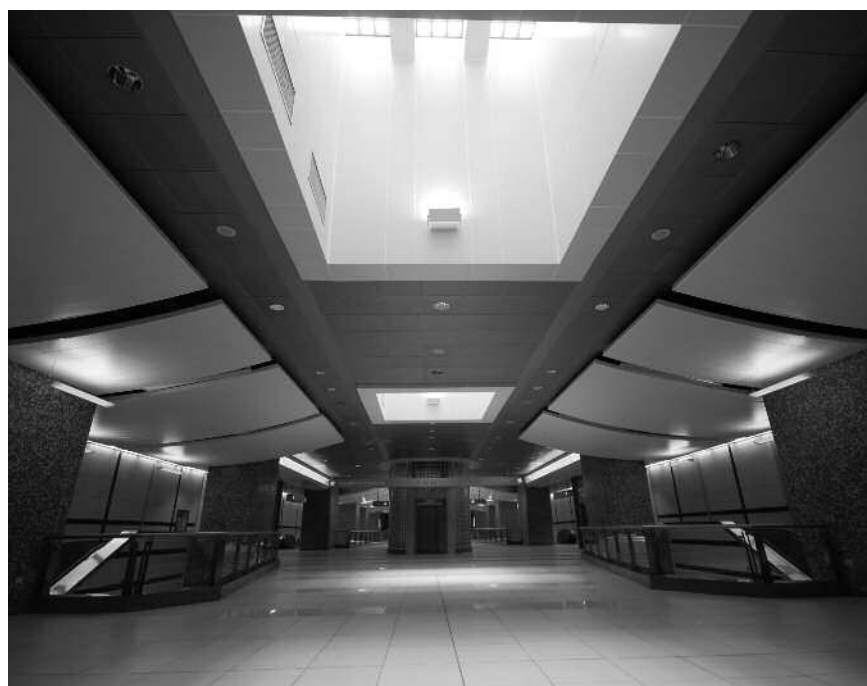
*Product : Metal Tiles*



*Project : Metro Valencia Estacion Cedeño*

*Location : Valencia, Venezuela*

*Product : Tiles Lay-In, Planks Hook-On*



## 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](http://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



**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

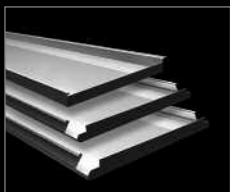
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## Learn More

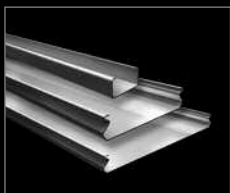
■ Contact our Sales office

■ [www.hunterdouglascontract.com](http://www.hunterdouglascontract.com)

Wide Panel



Linear



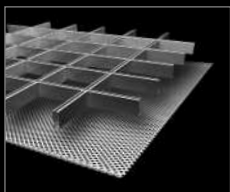
Screen



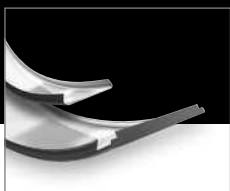
Tiles  
XL panel



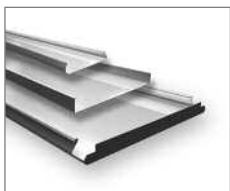
Cell  
Stretch metal



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

**HUNTER DOUGLAS**  
**ARCHITECTURAL PROJECTS UK**  
Pondwood House, Pondwood Close  
Moulton Park, Northampton NN3 6RT  
United Kingdom  
Tel.: +44 (0)1604 766251  
[info@hunterdouglas.co.uk](mailto:info@hunterdouglas.co.uk)  
[www.hunterdouglas.co.uk](http://www.hunterdouglas.co.uk)

# HunterDouglas

WINDOW COVERINGS

CEILING

SUN CONTROL

FAÇADES