

Installation

Lauder  
INEA







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# Suspended ceiling installation

The ceiling will be installed on a grid of T24 main runners with black capping, concealed by a patented system, compliant with current standards and good practice rules in each country (NF P 68203-1 and 2 and DTU 58-1 France 2008 edition) .

The T24 main runners will be fixed at a distance of 600 mm, "D1". The main runner components will be suspended by Ø6 mm threaded rods hung at maximum distance "P" of 1200 mm in a staggered configuration.

The distance between the main runners will be maintained by a minimum of 1 cross bar per panel. The cross bars must be positioned at a maximum distance of 200 mm from the wall. The finishing edge is created using a matt black perimeter trim to provide a shadow line along the wall. The system gives the panels a perfectly flowing and seamless appearance.

*Cf. installation diagram and detailed views.*

Material required for grid system (per m<sup>2</sup> of ceiling)  
Maximum mass 22Kg/m<sup>2</sup> uniformly distributed

	Grid 1880 x 600
Main runner	1.67 ml / m <sup>2</sup>
Cross bar	0.54 ml / m <sup>2</sup>
Perimeter trim	According to wall requirements
Hanger	1.40 p / m <sup>2</sup>

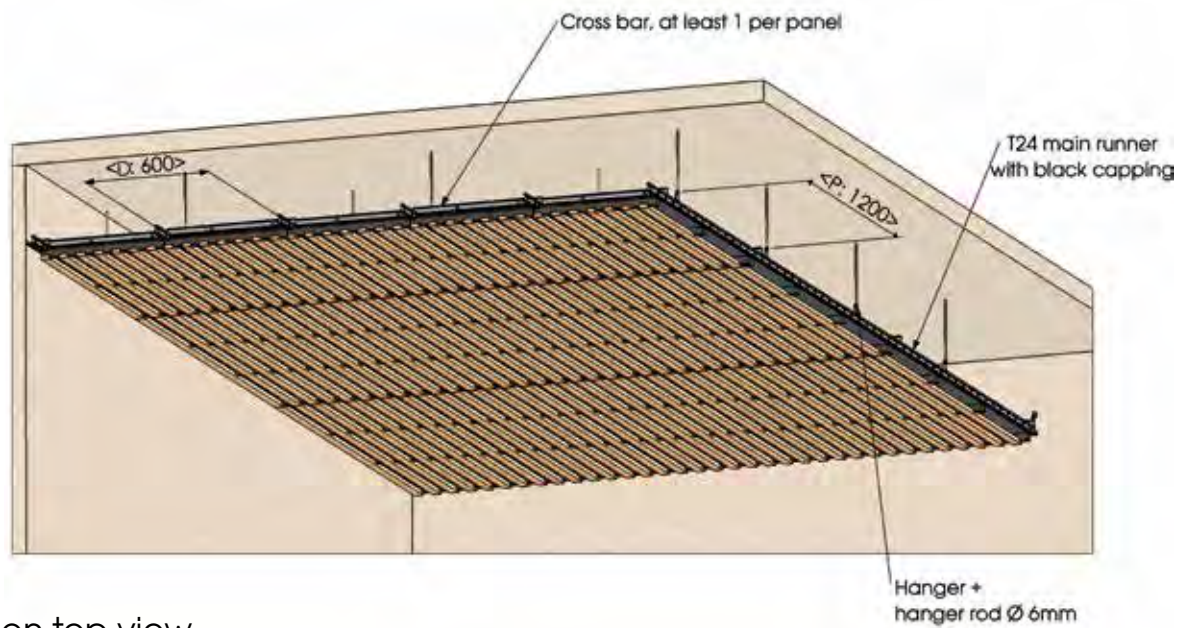
## Grid system in moist and/or corrosive environments

All of the grid and hanging system must be appropriate for use in moist and/or corrosive environments, moisture-resistant or corrosion-resistant type DONN ranges or equivalent.  
*(Laudescher does not supply all of the grid System)*

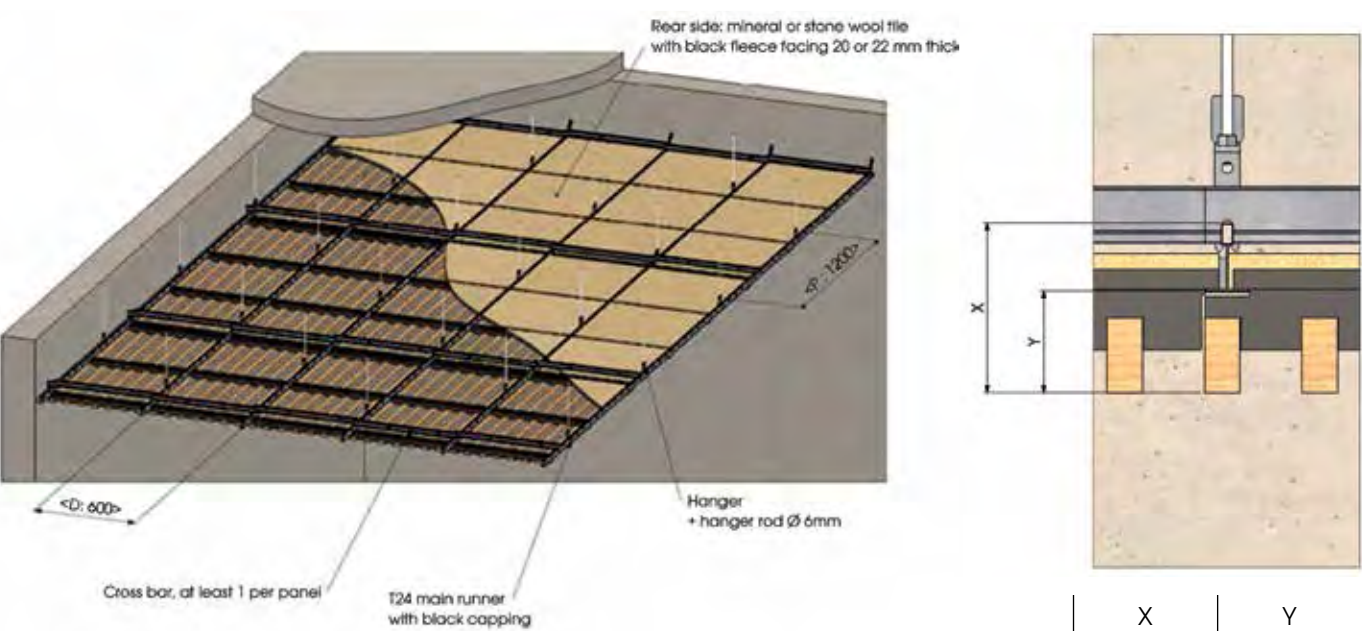


# Installation general view

Installation bottom view



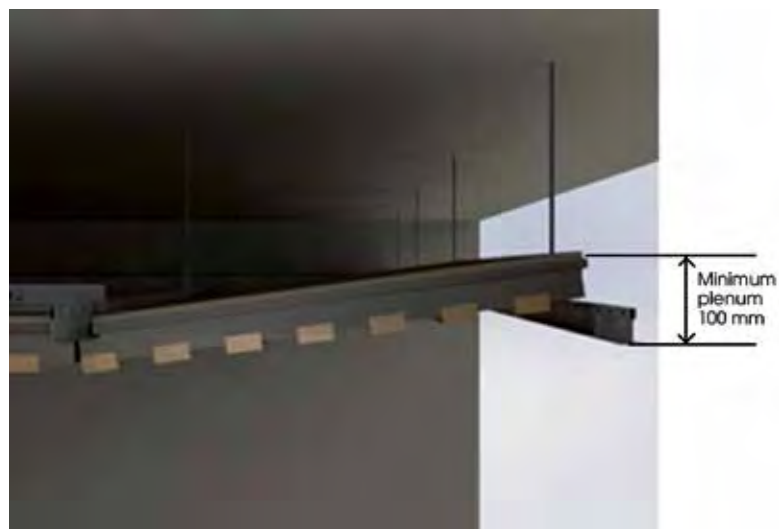
Installation top view



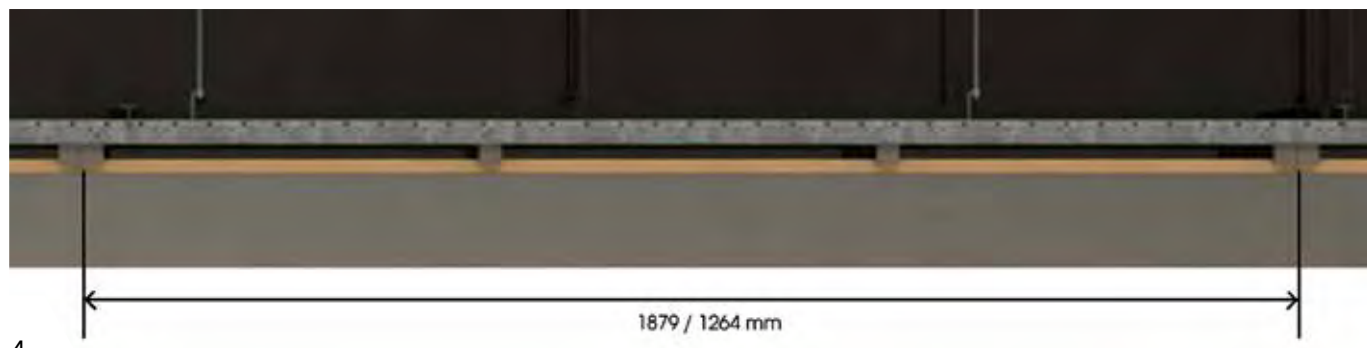
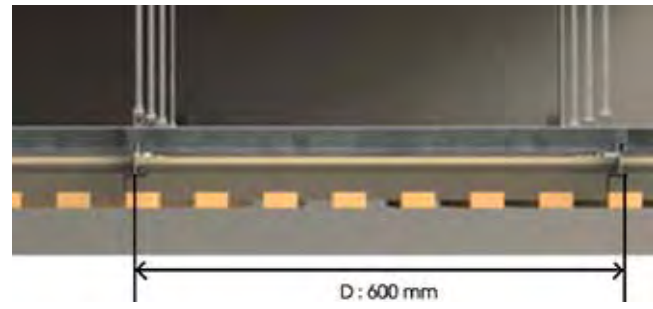
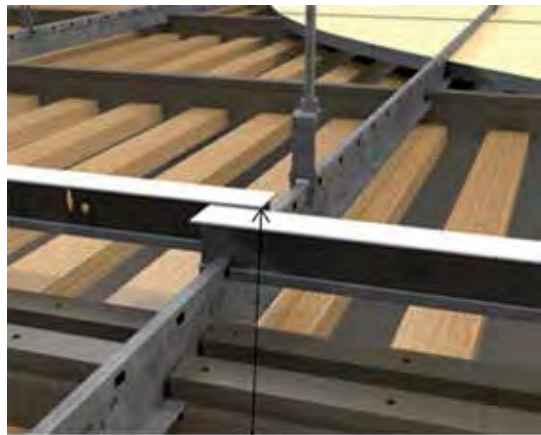
	X	Y
4.2	81	43
2.4	95	57
2.6	121	83
2.9	143	105

Dimensions in mm

Minimum plenum necessary for installing and removing the panel

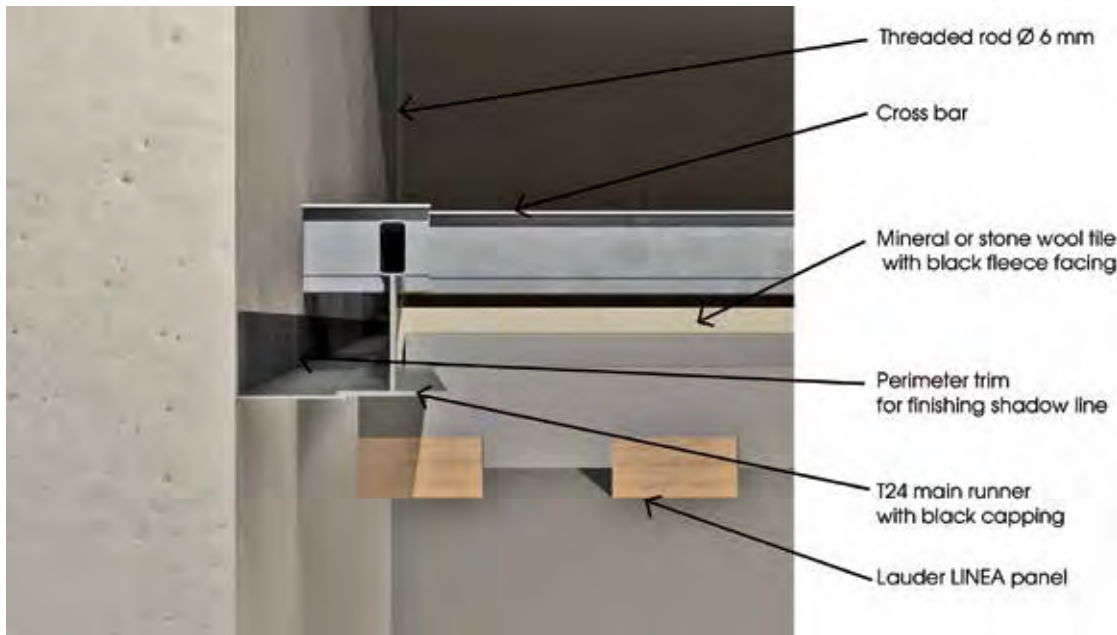


View of panel junction

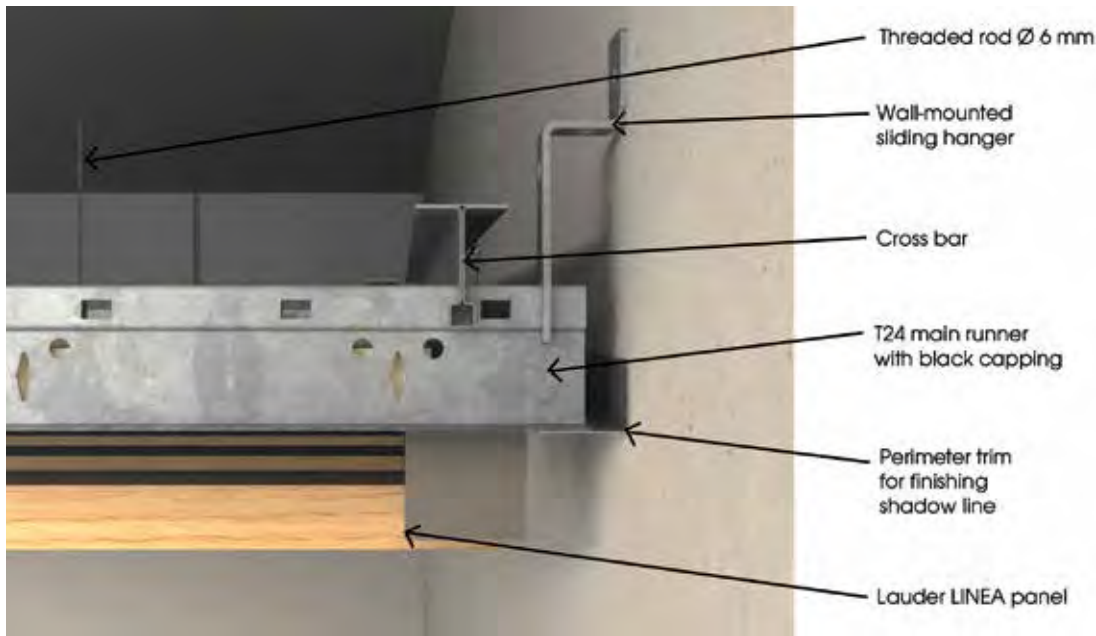


# Detail of finishing edge

Longitudinal finishing edge



Transverse finishing edge

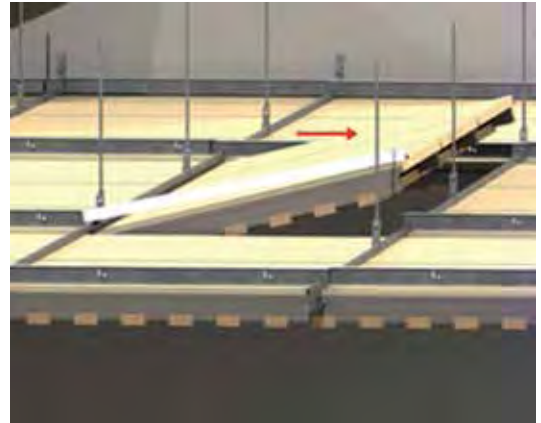




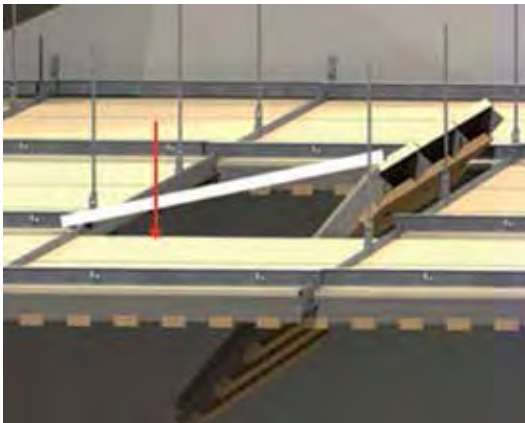
# Removal of Lauder LINEA panels



Step 1: Lift the panel



Step 2: Shift the panel sideways



Step 3: Lower the panel to remove it



Step 4: Note that the cross bar is detached!



Step 5: Position it on the adjacent panel

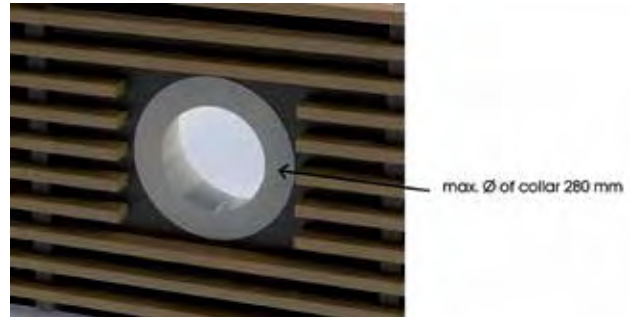
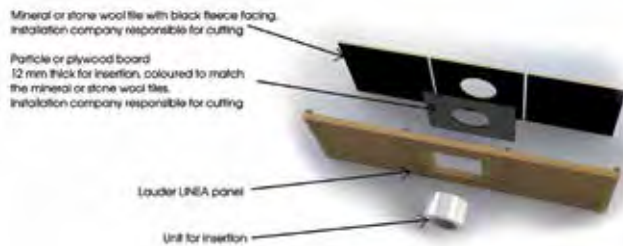


Step 6: Attach the cross bar above the adjacent panel



# Inserting a small unit

Maximum size of a unit for insertion in a panel



## 1 Insertion in a standard panel



## 2 Remove the mineral or stone wool tiles



## 3 Cut the panel at the insertion location



## 4 Insertion window completed



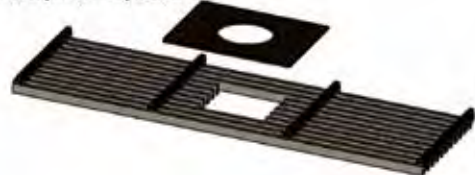
## 5 Cut the particle black plate to size



## 6 Cut hole to size



## 7 Put the particle black plate in place



## 8 Screw the particle black plate and slats in place

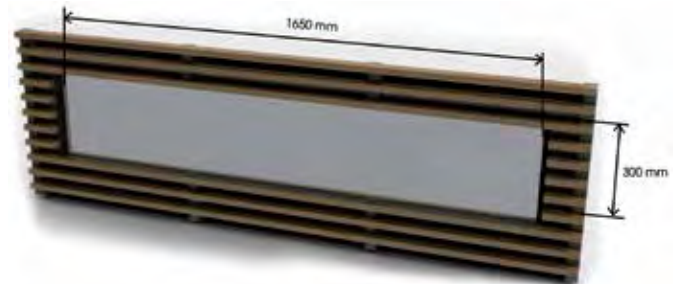
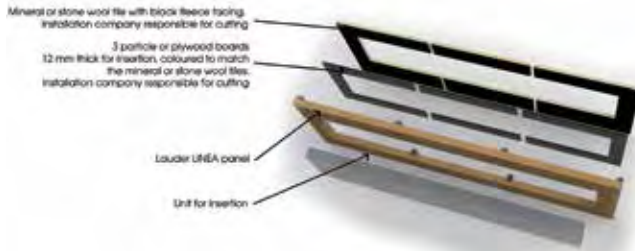


## 9 Lay the mineral or stone wool tiles and insert the unit



# Inserting a long unit

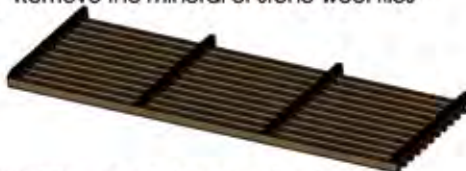
Maximum size of a unit  
for insertion in a panel



1 Insertion in a standard panel



2 Remove the mineral or stone wool tiles



3 Cut the panel at the insertion location



4 Insertion window completed



5 Cut the particle black plates to size



6 Cut hole to size



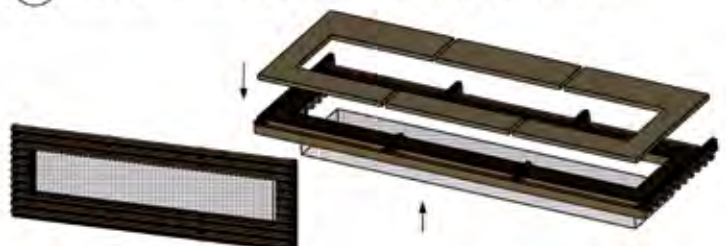
7 Put the particle black plates in place



8 Screw the particle black plates and slats in place



9 Lay the mineral or stone wool tiles and insert the unit







# SWELL suspended ceiling installation

The ceiling will be hung on two Ø6 mm threaded rods per panel, compliant with current standards and good practice rules in each country (NF P 68203-1 and 2 and DTU 58-1 France 2008 edition)

The system gives the panels a perfectly flowing and seamless appearance.

*Cf. installation diagram and detailed views.*

## Grid system in moist and/or corrosive environments

The hanging system must be appropriate for use in moist and/or corrosive environments, moisture-resistant or corrosion-resistant type DONN ranges or equivalent.

*(Laudescher does not supply all of the grid System)*

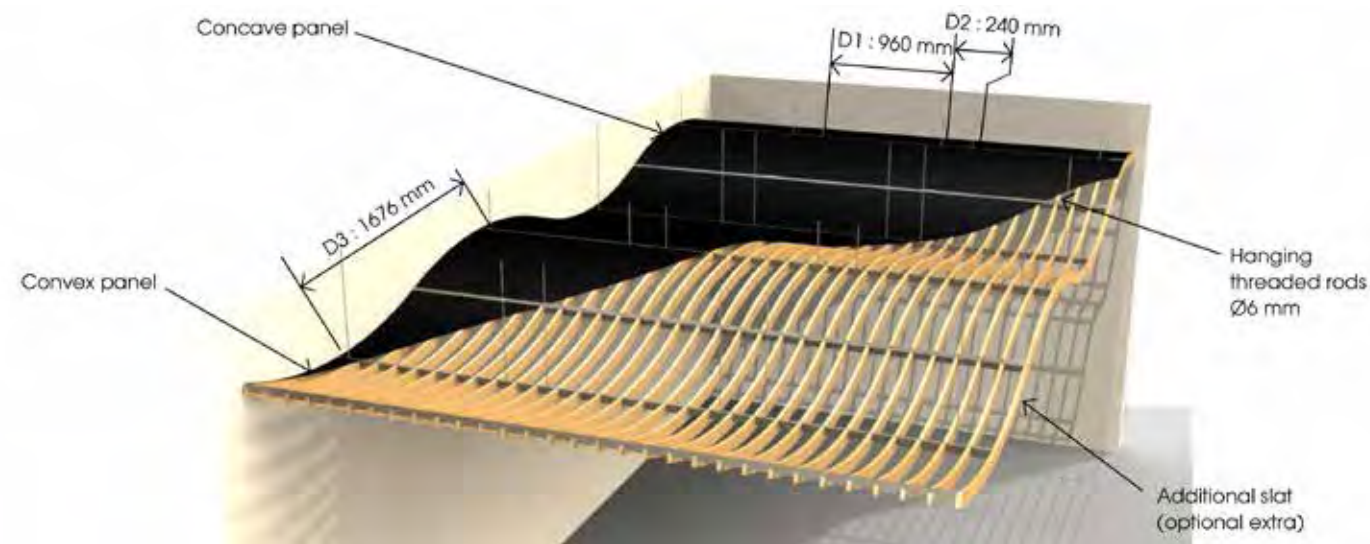


# Installation general view

Installation bottom view



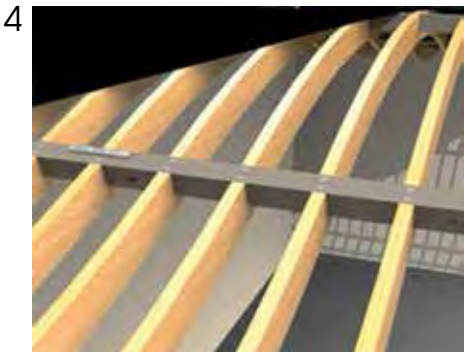
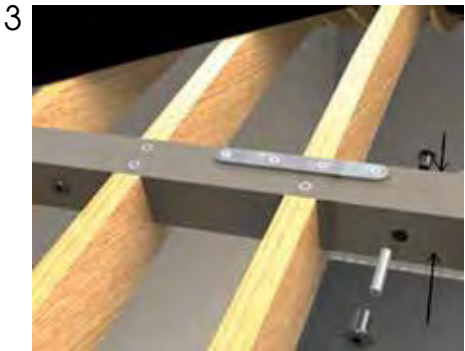
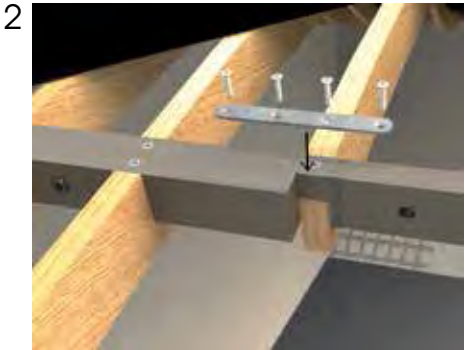
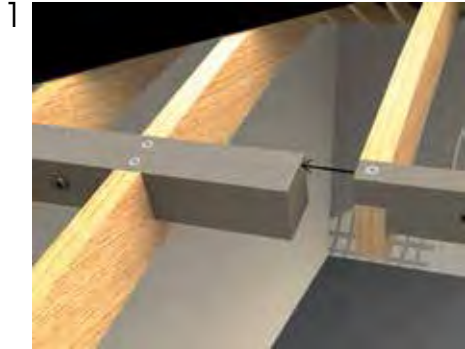
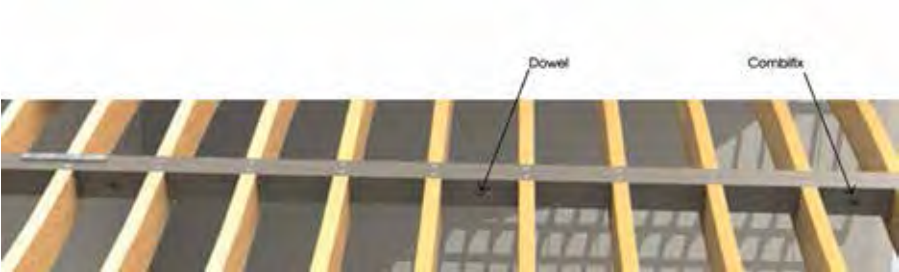
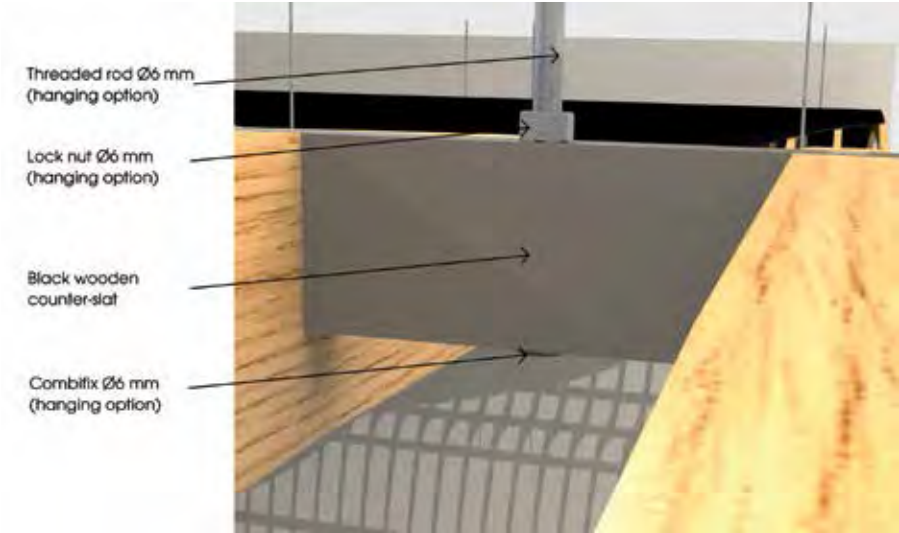
Installation top view



D: Hanging distance



# Hanging detail





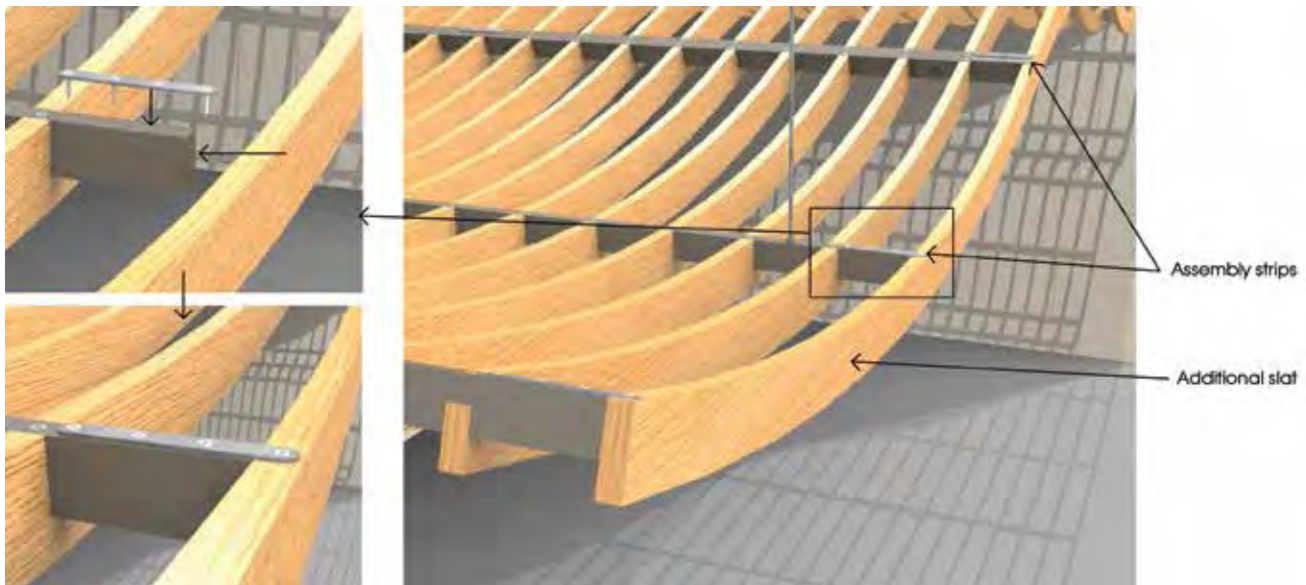
# Detailed view of finishing edge

Finishing edge created by adding extra slats (option) fixed in place with the assembly strips supplied.

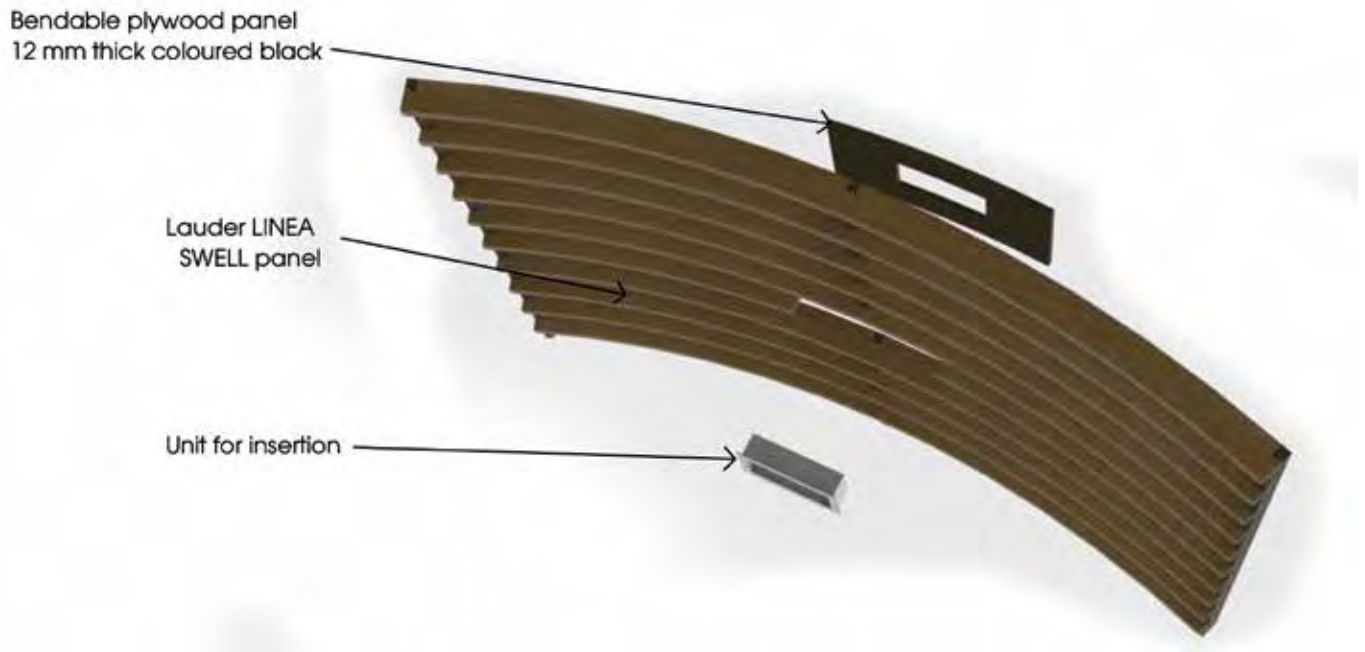
## Acoustic version



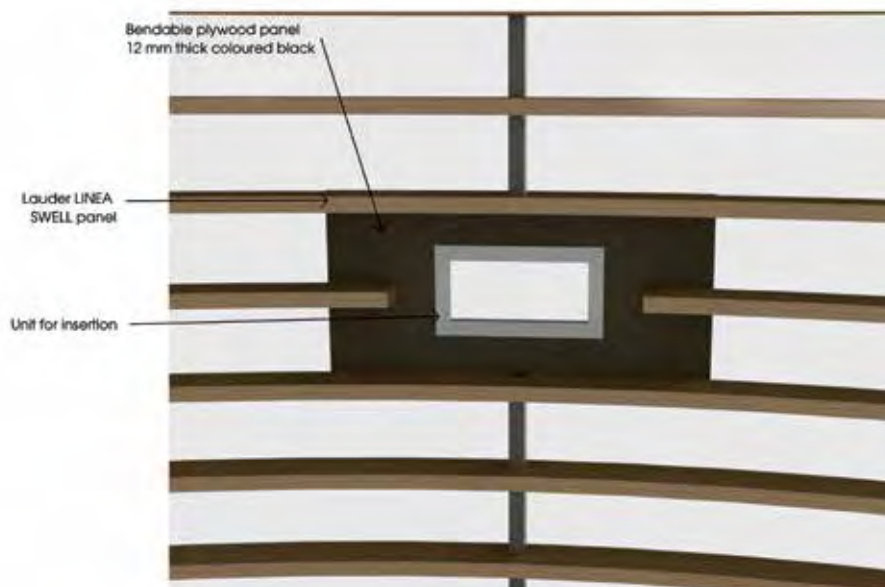
## Open version



# Inserting a small unit



## Front view







# Wall cladding installation

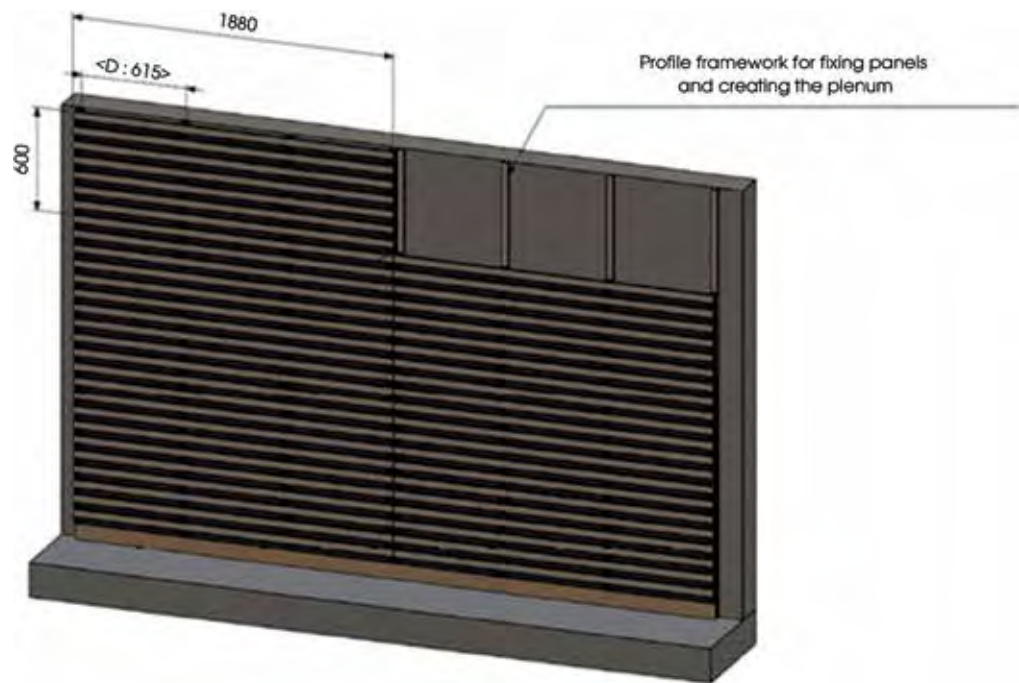
Screw-mounted onto a separate grid at distance "D" of 615 mm, in line with the recessed black wooden counter-slats of the panel (black screw heads or screws with black covers / 2 screws per counter-slat), as specified in DTU 36.2 The system gives the panels a perfectly flowing and seamless appearance.

## Moist and/or corrosive environments

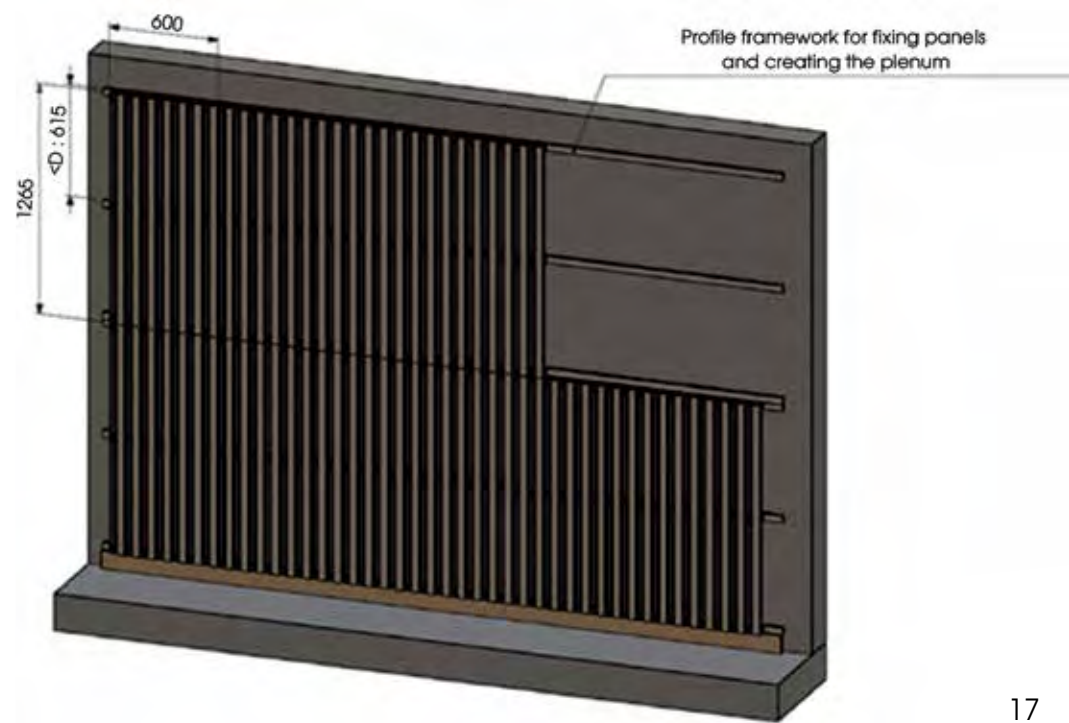
All of the grid system and fixing points must be appropriate for use in moist and/or corrosive environments. The wood used in the grid must be class 4.  
*(Laudescher does not supply all of the framework)*

# Installation general view

Installation general horizontal view

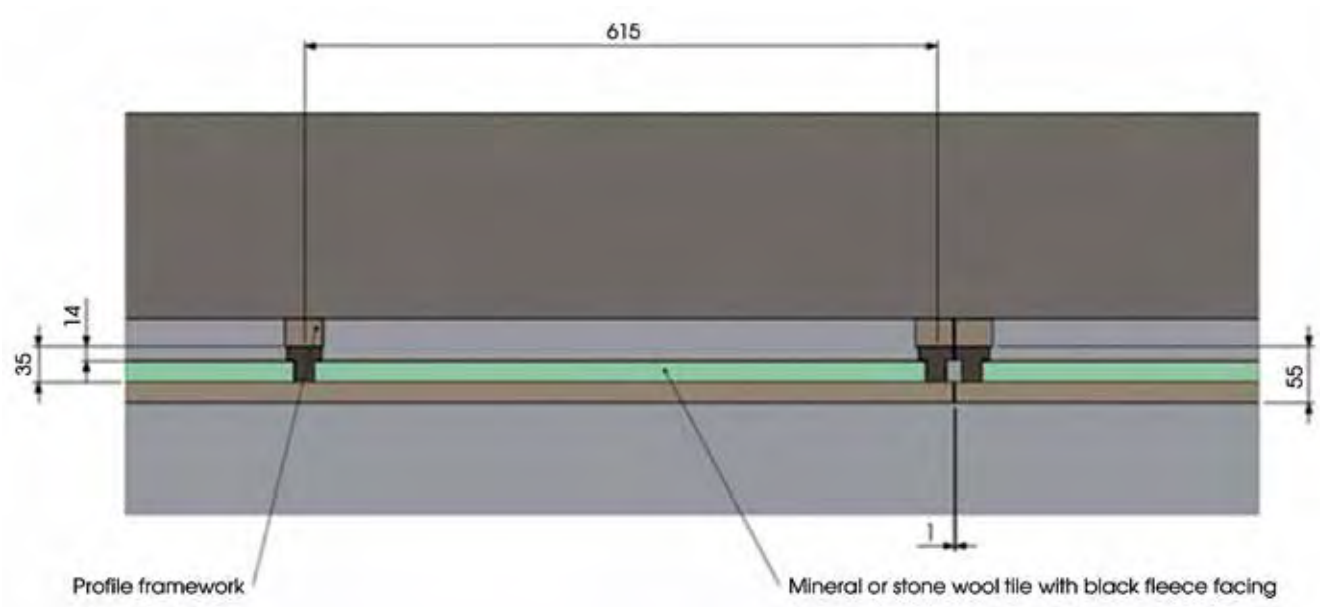


Installation general vertical view

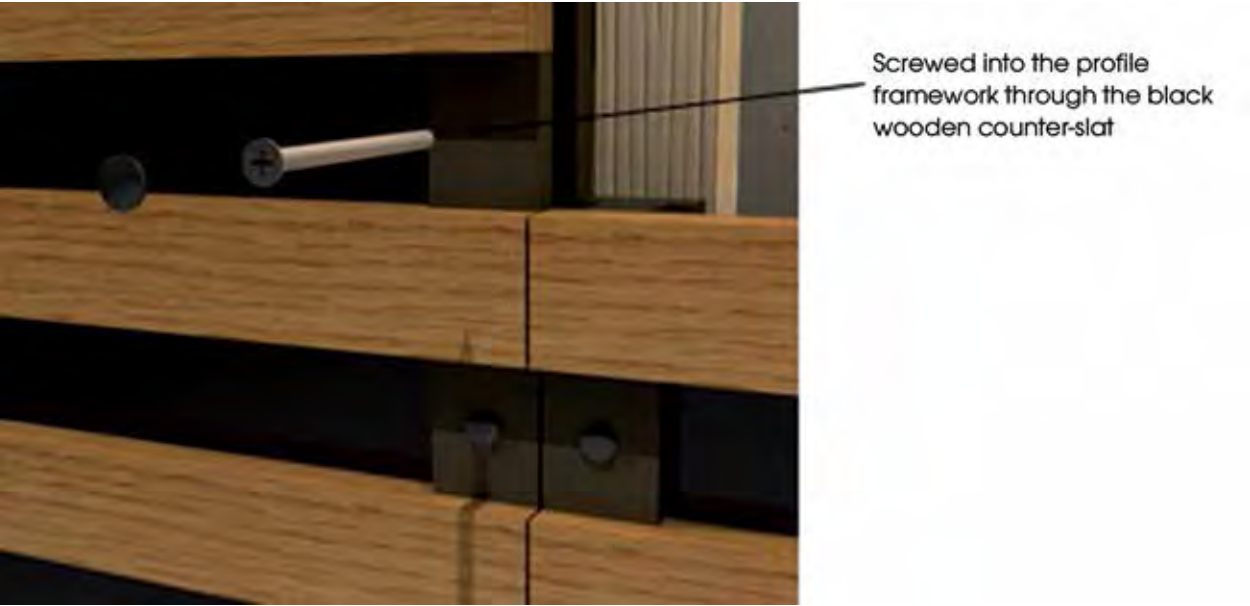




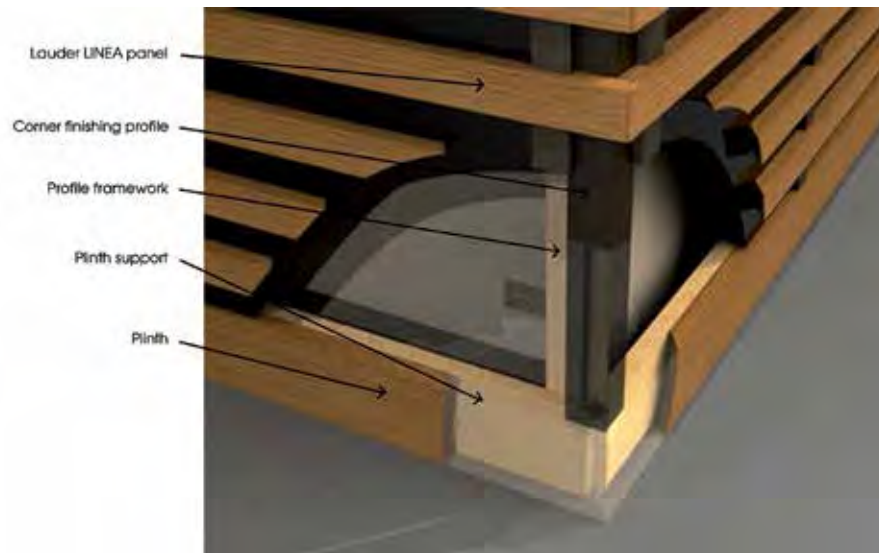
Sectional view



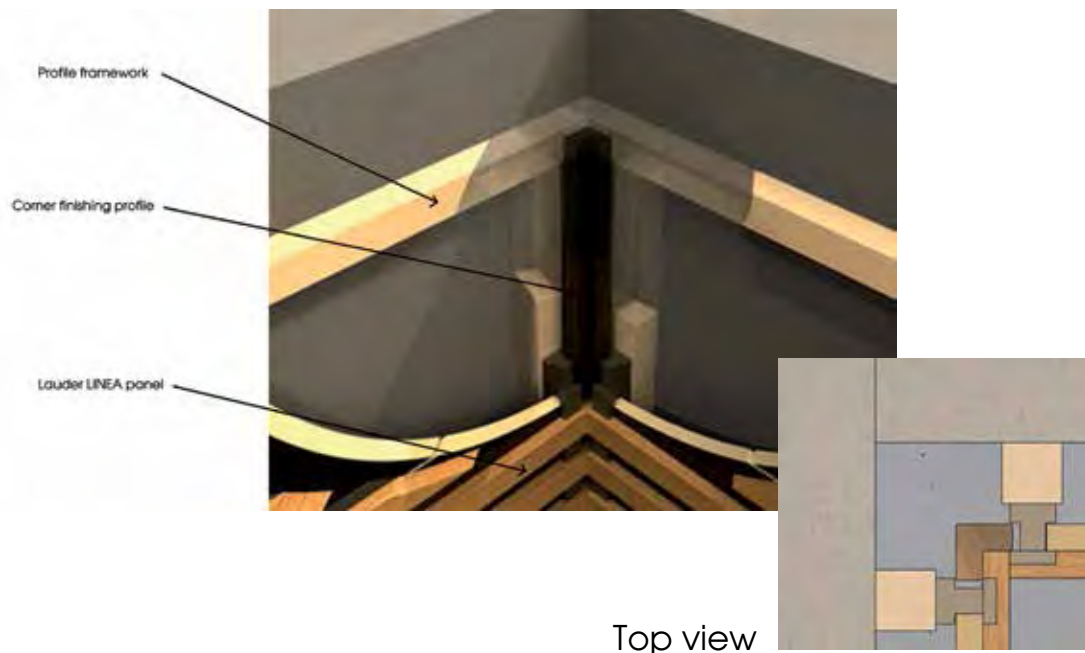
Mounting detail with screw + black screw cover



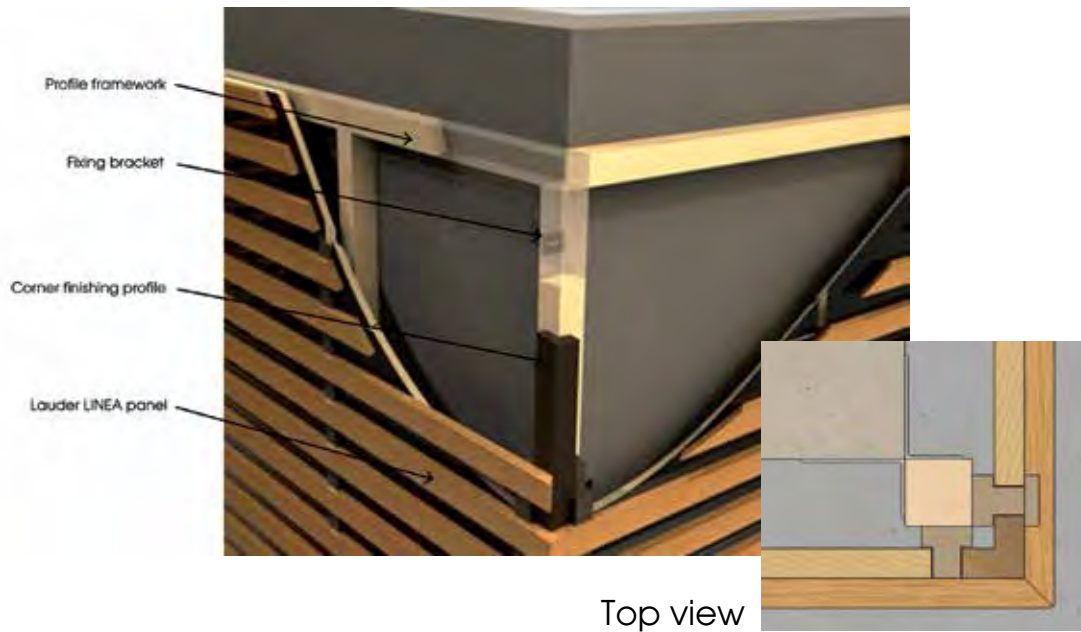
## Detail of plinth (horizontal)



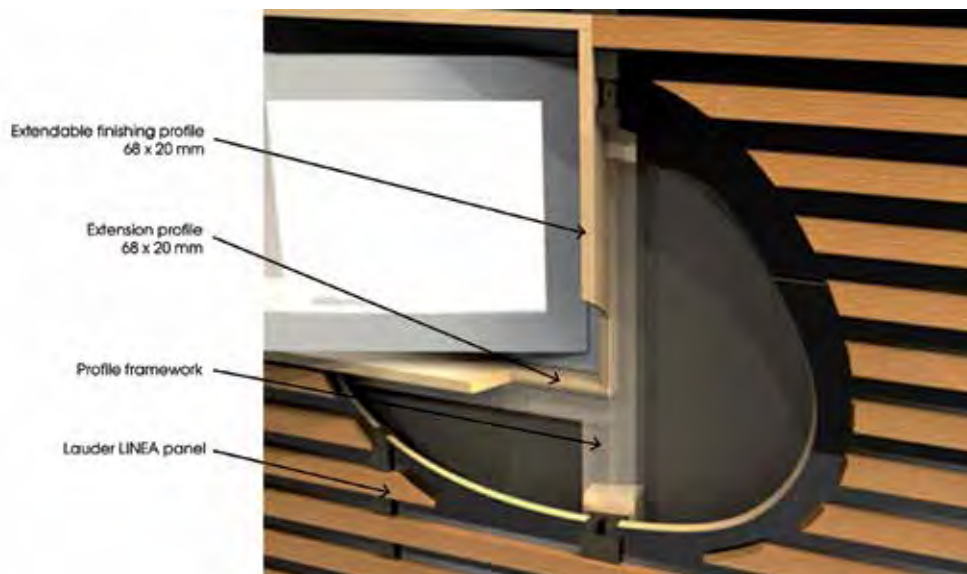
## Detail of internal corner (horizontal)



## Detail of external corner (horizontal)

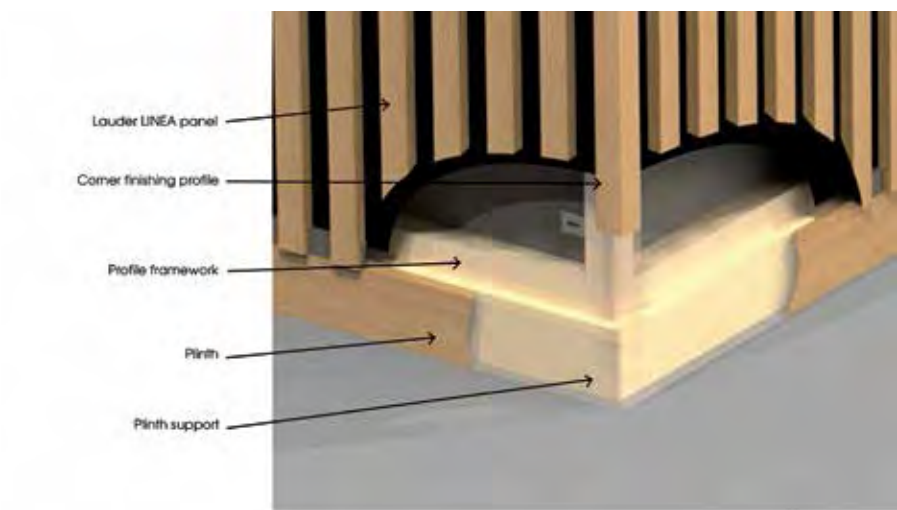


## Detail of window surround (horizontal)

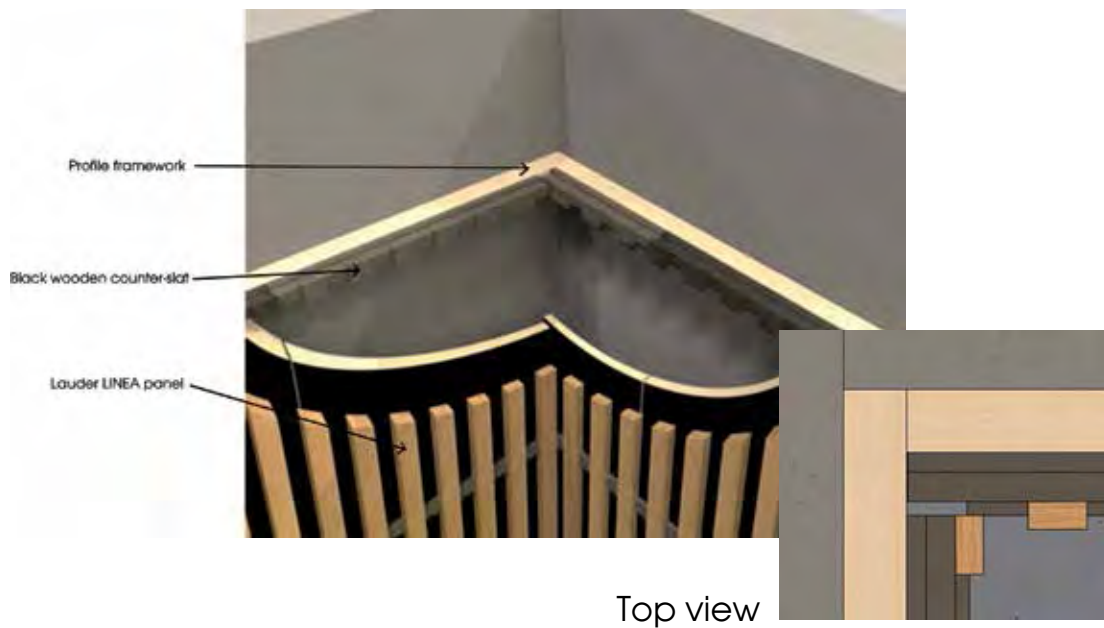




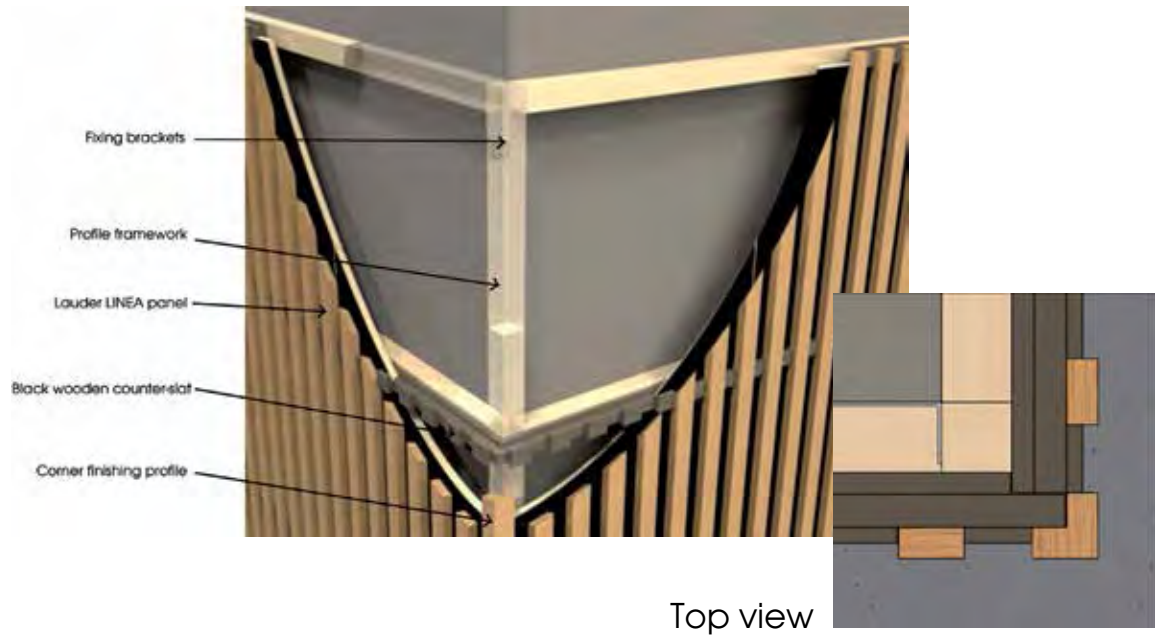
# Detail of plinth (vertical)



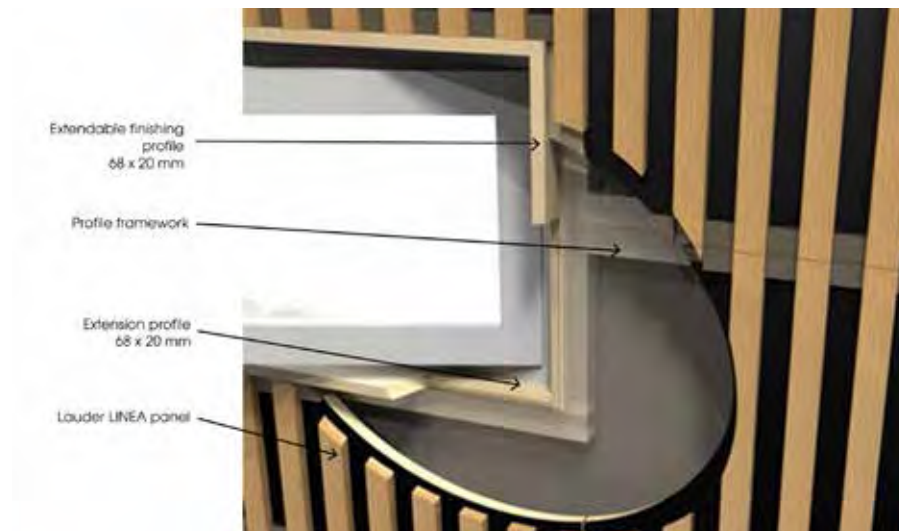
# Detail of internal corner ( vertical)



## Detail of external corner ( vertical)

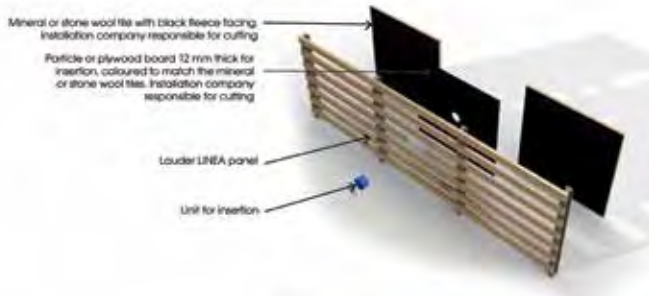


## Detail of window surround ( vertical)



# Inserting a small unit

Maximum size of a unit for insertion in a panel



## ① Insertion in a standard panel



## ② Remove the mineral or stone wool tiles



## ③ Cut the panel at the insertion location



## ④ Insertion window completed



## ⑤ Cut hole to size



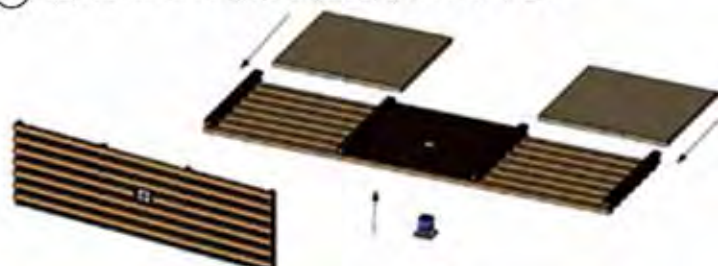
## ⑥ Put the particle black plate in place



## ⑦ Screw the particle black plate and slats in place



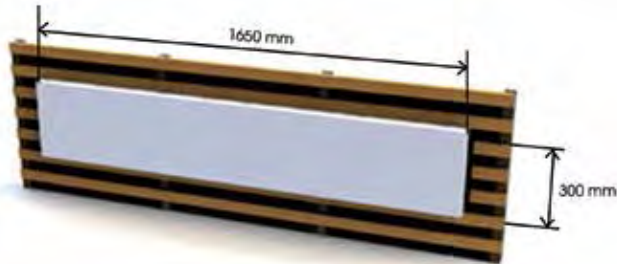
## ⑧ Lay the mineral or stone wool tiles and insert the unit





# Inserting a long unit

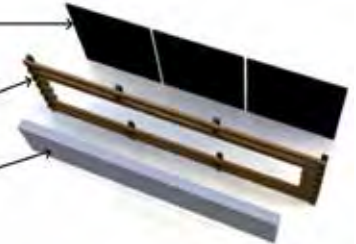
Maximum size of a unit  
for insertion in a panel



3 particle or plywood boards 12 mm  
thick for insertion, coloured to match  
the mineral or stone wool tiles.  
Installation company responsible  
for cutting

Lauder LINEA panel

Unit for insertion



① Insertion in a standard panel



② Remove the mineral or stone wool tiles



③ Cut the panel at the insertion location



④ Insertion window completed



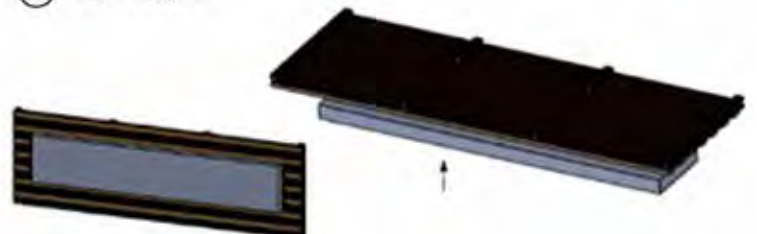
⑤ Put the particle black plates in place



⑥ Screw the particle black plates and slats in place



⑦ Insert the unit





# Panel modifications, options and accessories

The panels in the Lauder LINEA range can be easily modified for perfect adaptation to the installation constraints of a project.

## Adjustable panel:

The panels in the Lauder LINEA range are designed for perfect flexibility of use and/or modification on site.

The standard offer consists of two modular dimensions:

- 1880 x 600 mm
- 1265 x 600 mm

Lauder LINEA SWELL panels can be easily cut to width for perfect adaptation to the installation constraints of a project.

## Usage warning:

Slat not held in place by black wooden counter-slat: maximum permitted overhang 150 mm



# Cutting a panel to length

- ① Determine the cutting location



- ② Unscrew the black wooden counter-slat to be moved



- ③ Move the counter-slat



- ④ Refix the counter-slat



- ⑤ Cut slats to length



- ⑥ Panel ready for installation

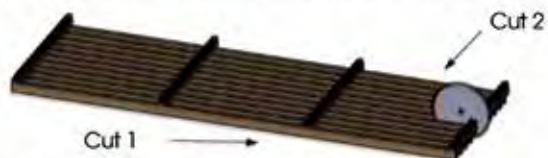


# Ceiling : cutting a panel to width

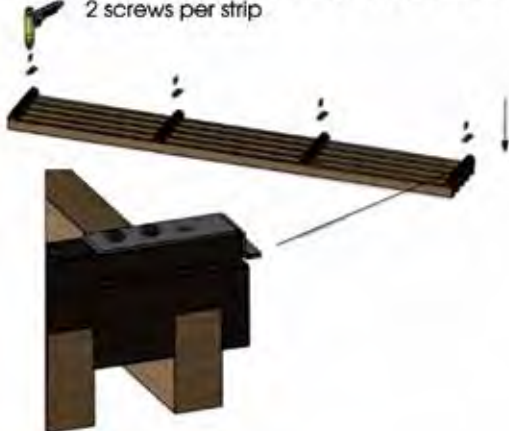
- ① Determine the side and location of the cut.



- ② Cut the panel following the line of the framework



- ③ Cut 1 finishing: drill 2 mm Ø pilot holes then screw down the edging strips (optional extra). 2 screws per strip



- ④ Cut 2: unscrew the slot retaining screws



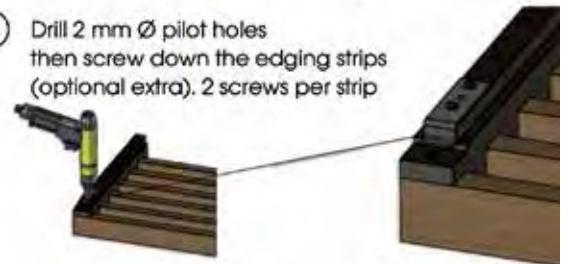
- ⑤ Cut the black wooden counter-slat in both direction



- ⑥ Reinsert the slot screws



- ⑦ Drill 2 mm Ø pilot holes then screw down the edging strips (optional extra). 2 screws per strip



# Curved ceiling : cutting a panel to width

① Determine the cutting location



③ Cutting completed



② Cut the panel following the line of the framework



④ Panels ready for installation





# Wall : cutting a panel to width

① Determine the cutting location



② Cut the panel following the line of the framework



③ Cutting completed

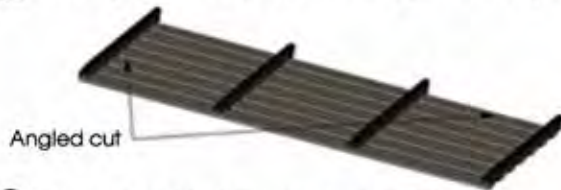


④ Panels ready for installation

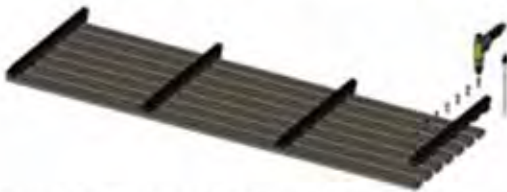


# Cutting to length at an angle

- ① Cutting a Lauder LINEA panel to length at an angle



- ② Remove the black wooden counter-slat



- ③ Position the profile for cutting and screw down



- ④ Cut the slats to length



- ⑤ Cut the profile to length



- ⑥ Resized panel ready for installation



# Cutting to width at an angle

- ① Cutting a Lauder LINEA panel to width at an angle



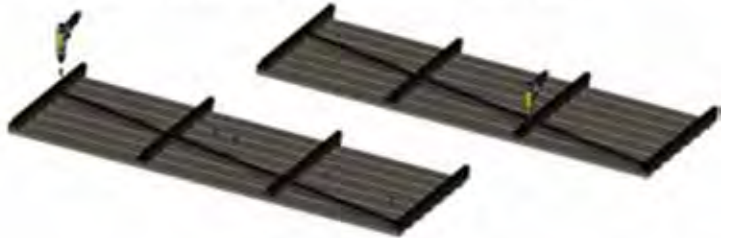
- ② Cut the profile for cutting to length



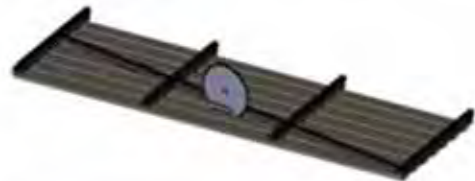
- ③ Position the profile for cutting



- ④ Screw down the profile to hold the slats in place



- ⑤ Cut the slats to length



- ⑥ Resized panel ready for installation





# Irregular cutting to length

- ① Determine the location of the irregular cut



- ② Insert the panel for cutting (option)

Coloured particle or plywood board 12 mm thick



- ③ Fix and mark the cut



Screws fixed into the slots

- ④ Cut following the marking with a jigsaw



- ⑤ Panel ready for installation



# Irregular cutting to width

- ① Determine the location of the irregular cut



- ② Insert the panel for cutting (option)  
Coloured particle or plywood board 12 mm thick



- ③ Fix and mark the cut



Screws fixed into the slats









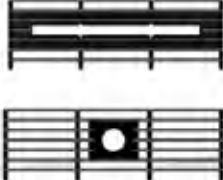
- ④ Cut following the marking with a jigsaw



- ⑤ Panel ready for installation










# Ceiling options and accessories

Additional black wooden counter-slat	The additional counter-slat gives greater flexibility for panel cutting, adapting to opening frames and reconstituting or reusing panel offcuts	
Additional slat	The additional slat can be used to complete a project with profiles identical to the panels for a good finish	
Profile for angled cutting	The profile provides greater panel cutting flexibility for perfect adaptation to the constraints of the site	
Edging strip	The edging strip is used to extend the edging system on ceiling panels Material: 316 L stainless steel	
Particle black plate	The particle black plate can be used to create various insertions and irregularly cut shapes or can be used to close off the void and diffuse sound (reverberation)	
Internal/external corner profile	This profile is used to finish wall corners	
Extension finishing profile	This accessory is used to finish returns (openings, etc.)	
Particle black plate machining option	Contact us	
Panel machining option with insertion of particle black plate	Contact us	
Finishing option	Finishing tin for touching up cut slats and black wooden counter-slats	Varnish, Wax Color, Wax Color MC, 1 litre tin








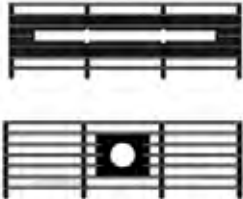


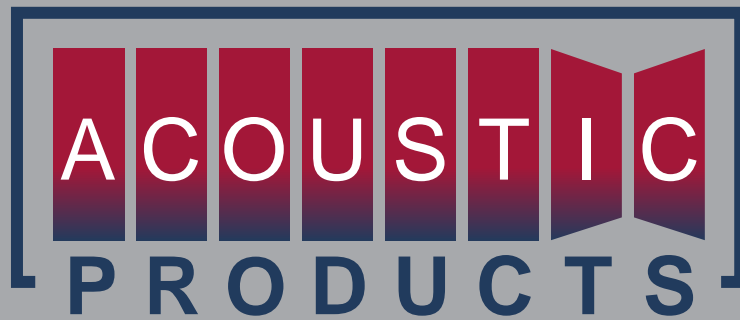
# Curved ceiling options and accessories

Additional slat	The additional slat can be used to complete a project with profiles identical to the panels for a good finish (1 slat, 3 assembly strips + 12 screws 3.5 x 20 mm)	
Hanging option*	Hanging kit containing 2 threaded rods 1 m in length, 2 lock nuts and 2 Combifix	
Joining kit*	Kit of 10 joining assemblies containing 20 Combifix and 10 threaded rods Ø6 x 30 mm	
Assembly strips*	Kit of 10 assembly strips + 40 screws 3.5 x 20 mm	
Particle black plate	The particle black plate can be used to create various insertions in a panel	
Particle black plate machining option	Contact us	
Panel machining option with insertion of particle black plate	Contact us	
Finishing option	Finishing tin for touching up cut slats and black wooden counter-slats	Varnish, Wax Color, Wax Color MC, 1 litre tin

\*Moist or corrosive environment, 316 L stainless steel, contact us

# Wall options and accessories

Additional black wooden counter-slat	The additional counter-slat gives greater flexibility for panel cutting, adapting to opening frames and reconstituting or reusing panel offcuts	
Additional slot	The additional slot can be used to complete a project with profiles identical to the panels for a good finish	
Profile for angled cutting	The profile provides greater panel cutting flexibility for perfect adaptation to the constraints of the site	
Particle black plate	The particle black plate can be used to create various insertions and irregularly cut shapes or can be used to close off the void and diffuse sound (reverberation)	
Internal/external corner profile	This profile is used to finish wall corners	
Extension finishing profile	This accessory is used to finish returns (openings, etc.)	
Particle black plate machining option	Contact us	
Panel machining option with insertion of particle black plate	Contact us	
Finishing option	Finishing tin for touching up cut slats and black wooden counter-slats	Varnish, Wax Color, Wax Color MC, 1 litre tin



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