



LINEA

SUSPENDED CEILING
AND WALL CLADDING

INTERIOR



LAUDESCHER

5

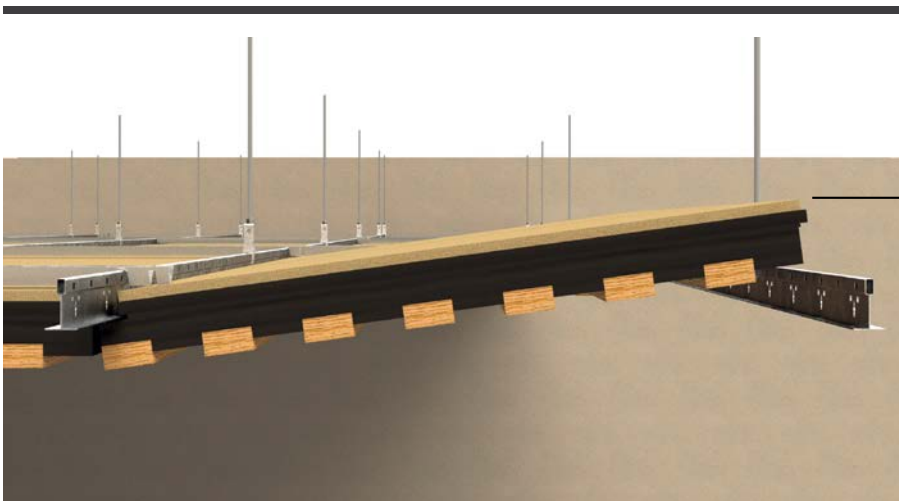
Installation

A PATENTED FLEXIBLE INSTALLATION
SYSTEM THAT ADAPTS TO STANDARD
SYSTEMS ON THE MARKET



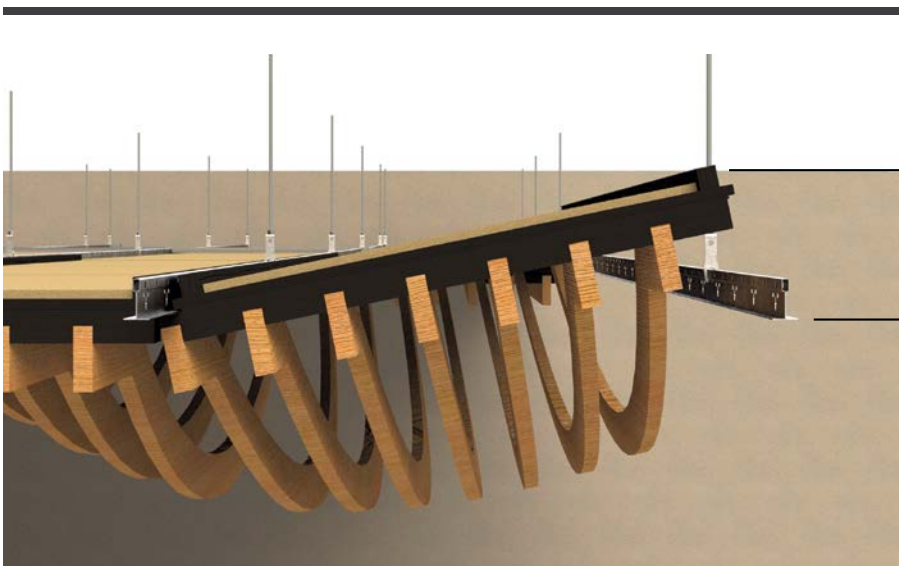
Installation suspended ceiling

Requirements for installation



Minimum plenum to mount and
dismount panels

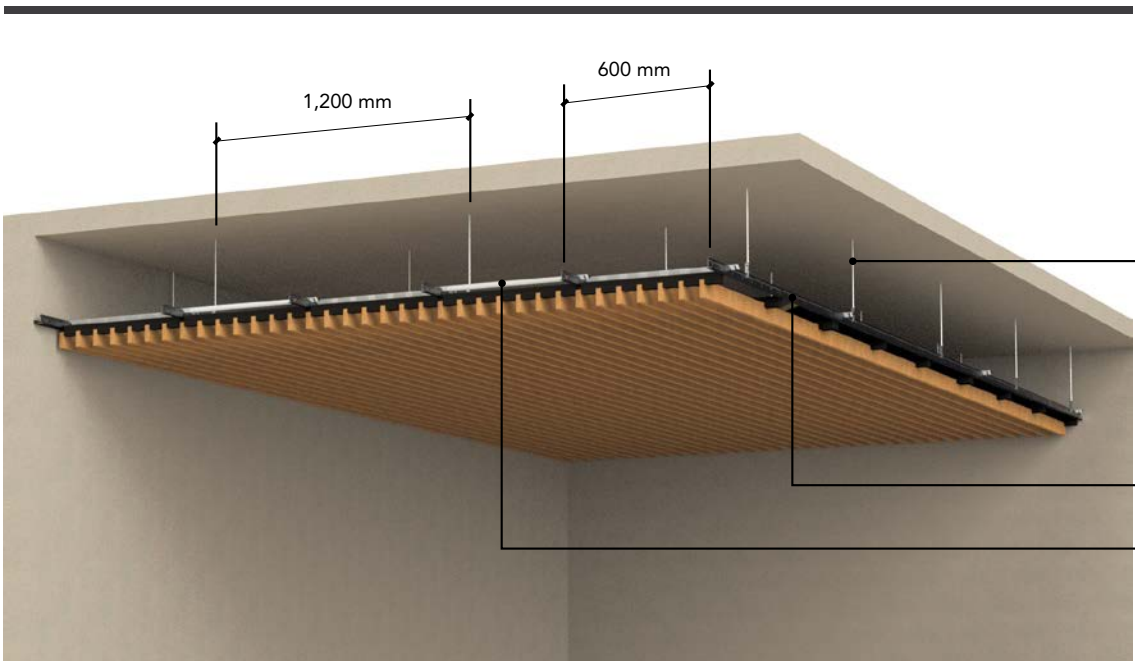
Minimum plenum
100 mm



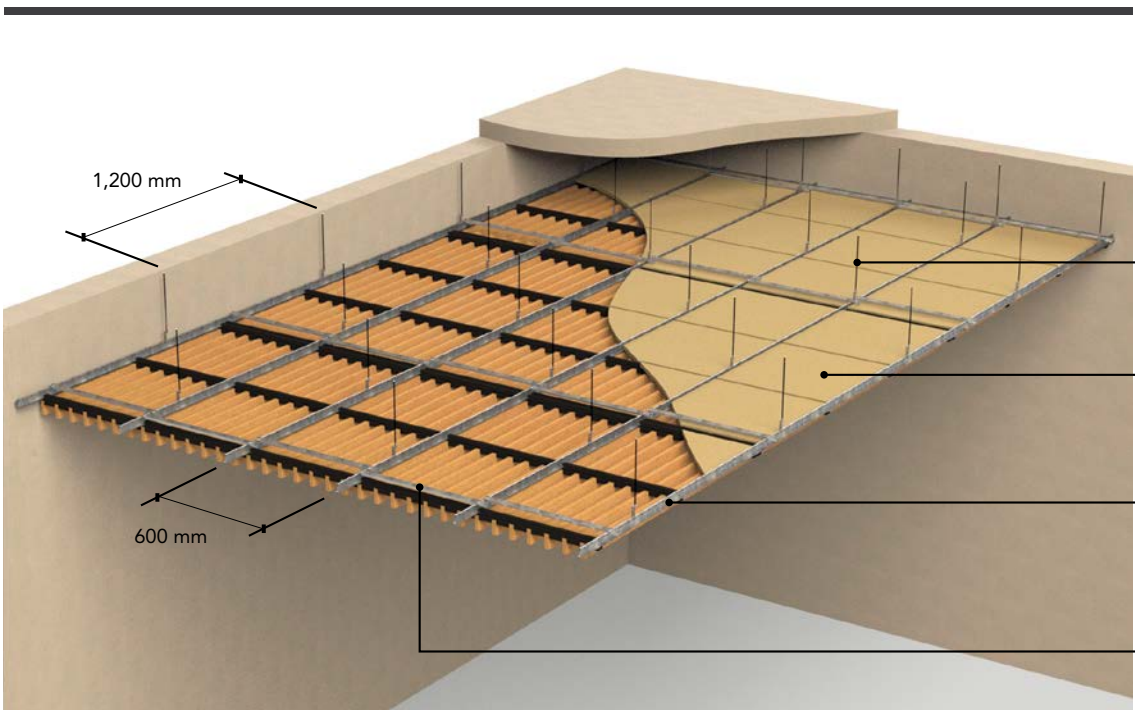
Special case of LINEA SHAPE

Minimum plenum
150 mm

General views



Bottom view



Top view

INSTALLATION

Installation suspended ceiling

Frame

Installed on standard T24 grid system* with black capping, concealed using a patented system, according to current standards and best practice rules in each country (French standards NF P 68203-1 and -2 and DTU 58-1, 2008 edition France).

Laudescher does not supply all structural elements.

For installation by mechanical fixing by screwing on framework, please contact us.

* The entire framework and suspension system must be designed for use and application in moist and/or corrosive environments.

DESCRIPTION

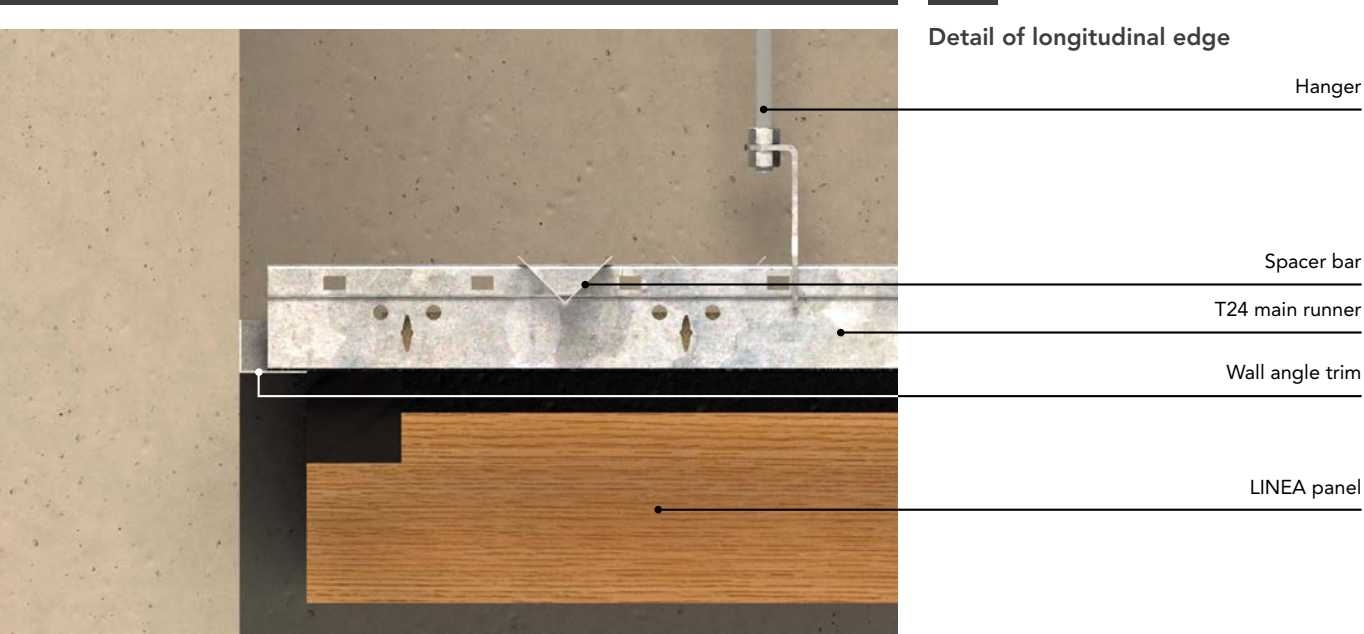
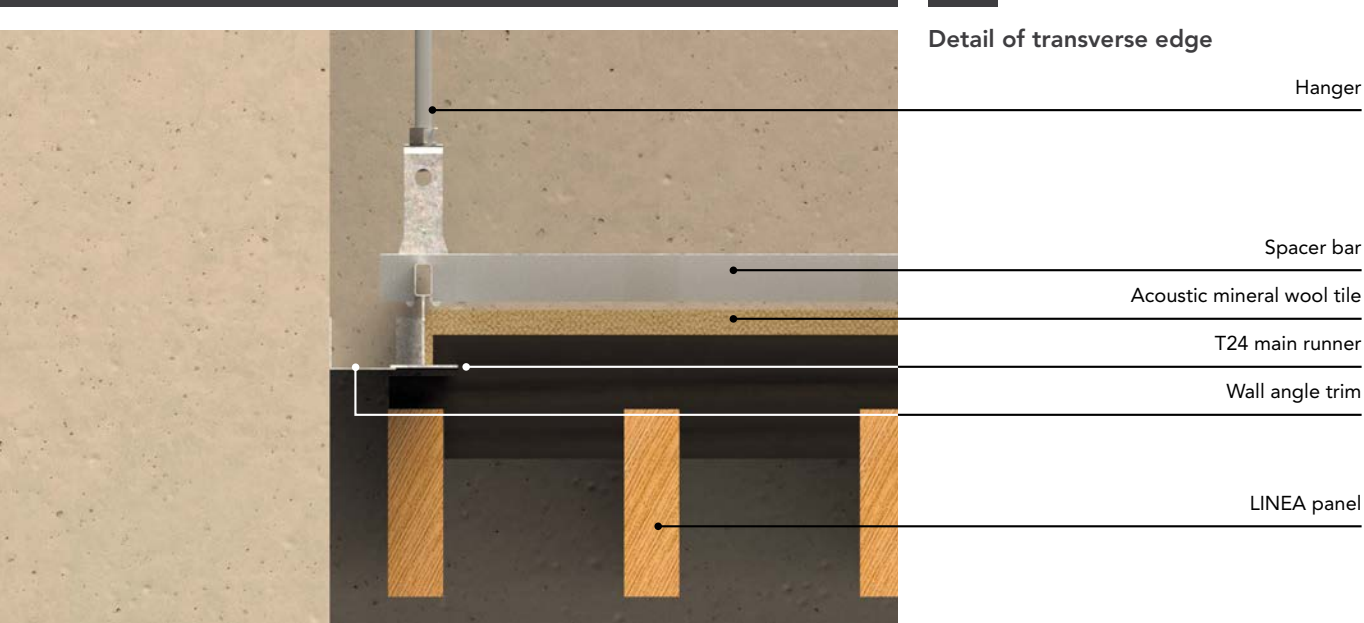
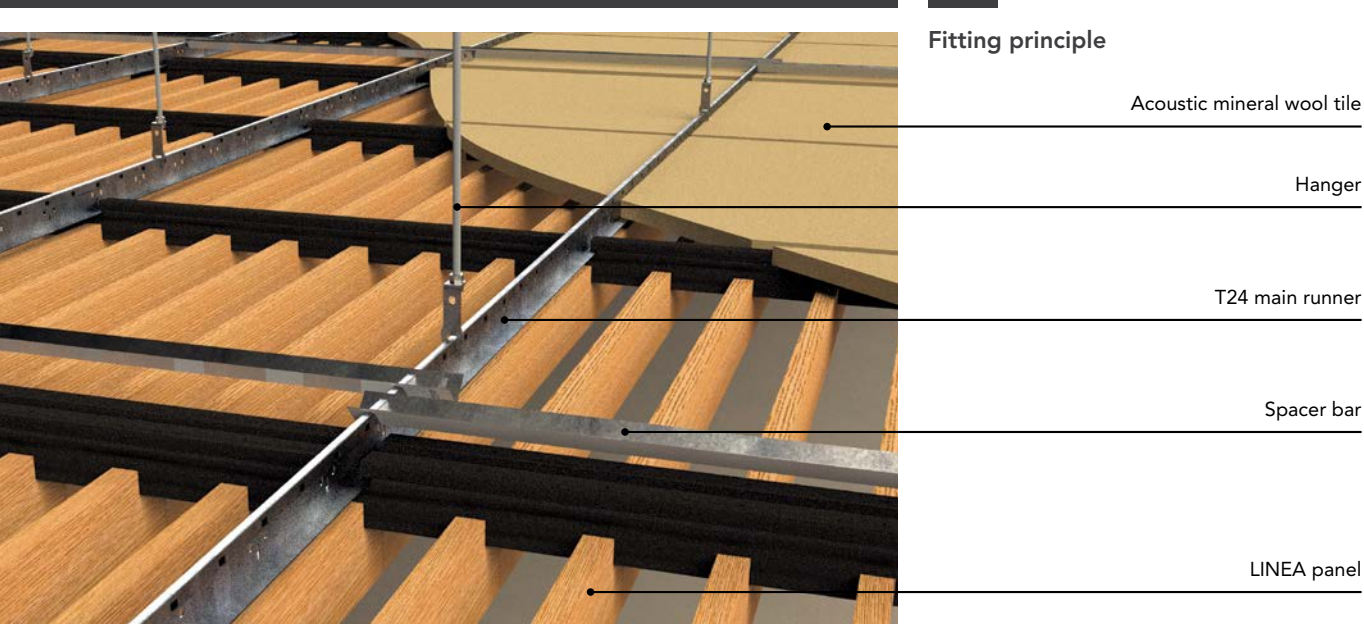
T24 main runners	Centre distance 600 mm
Hangers	Quick-adjusting threaded rods or hangers
Distance between hangers	Maximum 1,200 mm Maximum 150 mm from the edge
Spacing	Minimum 1 spacer bar per panel Spacer bars 200 mm from edge
Finish	Perimeter trim with wall angle trim profile with black capping (peripheral shadow gap)

FRAME COVERAGE

	Frame 1880 x 600 mm
Rail	1.67 lm/m ²
Spacer bar	0.54 lm/m ²
Profile	Based on length of edge
Hanger	1.40 p/m ²

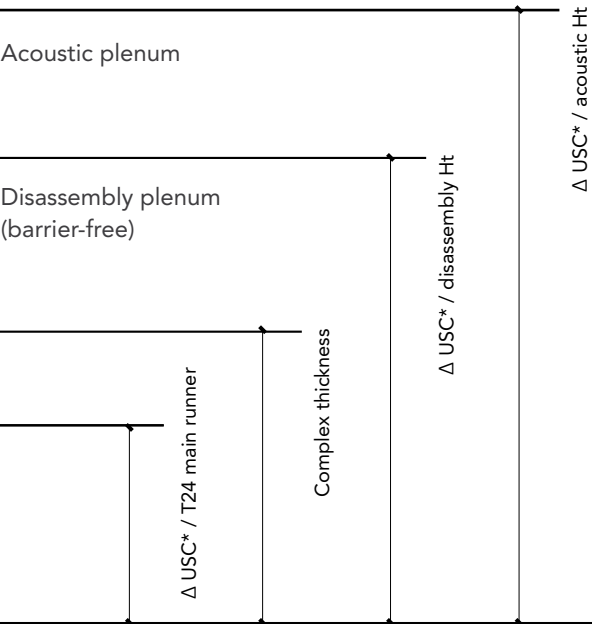
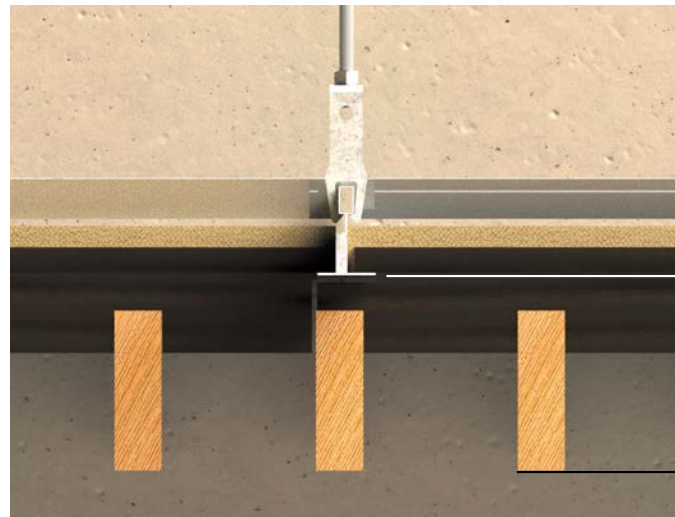
Maximum load: 22 kg/m² evenly distributed

General views



Installation suspended ceiling

Details

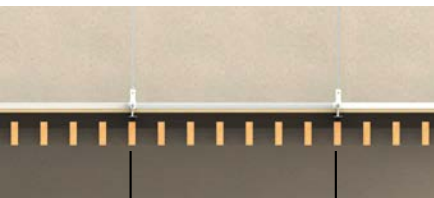


Longitudinal view



Module 1 880 / 1 265 mm

Transverse view



600 mm

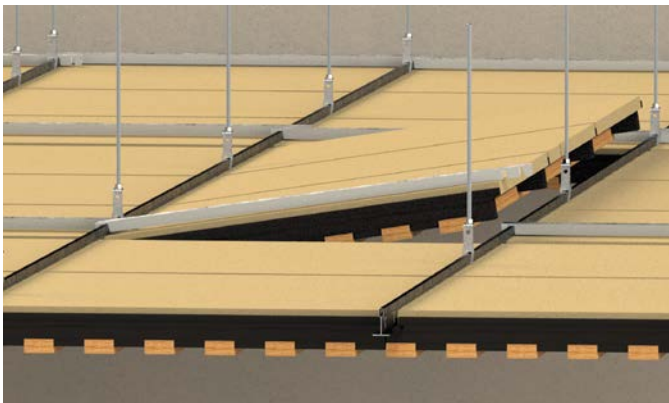
CEILING

Model	Δ USC* / T24	Complex thickness	Δ USC* / disassembly Ht	Δ USC* / Acoustic Ht
4.2	43 mm	84 mm	144 mm	314 mm
9.2	43 mm	84 mm	144 mm	314 mm
2.4	57 mm	98 mm	158 mm	328 mm
2.6	83 mm	124 mm	184 mm	354 mm
2.9	105 mm	146 mm	206 mm	376 mm
3D SCALE	55 mm	96 mm	156 mm	326 mm
3D PIX	55 mm	96 mm	156 mm	326 mm
3D EDGE	63 mm	104 mm	164 mm	334 mm
3D BAMBOO	55 mm	96 mm	156 mm	326 mm
3D BAMBOO WAVE	79 mm	120 mm	180 mm	350 mm

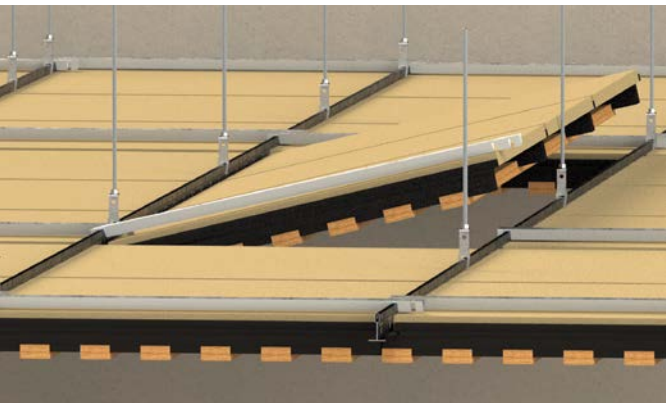
System dimensions

Dismounting

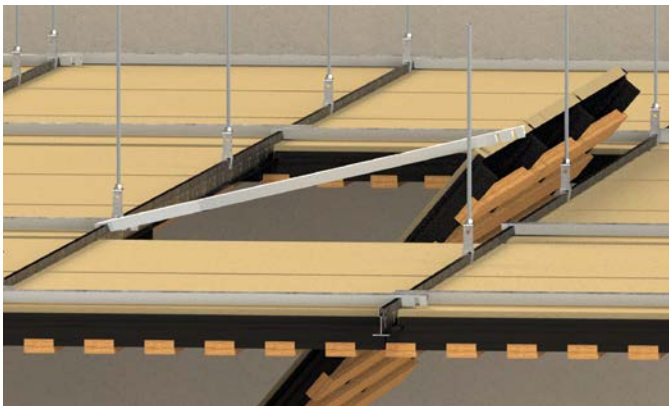
Step 1: Lift the panel



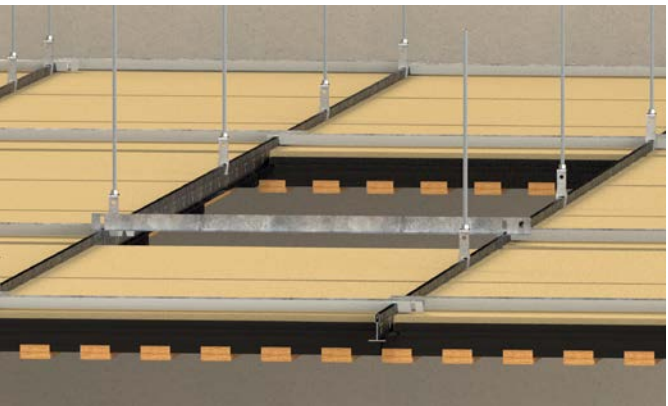
Step 2: Slide the panel



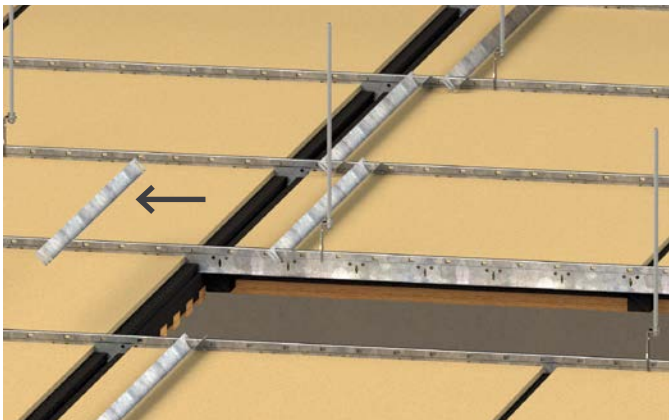
Step 3: Remove the panel



Step 4: The spacer bar is unclipped



Step 5: Shift the spacer bar to the next panel

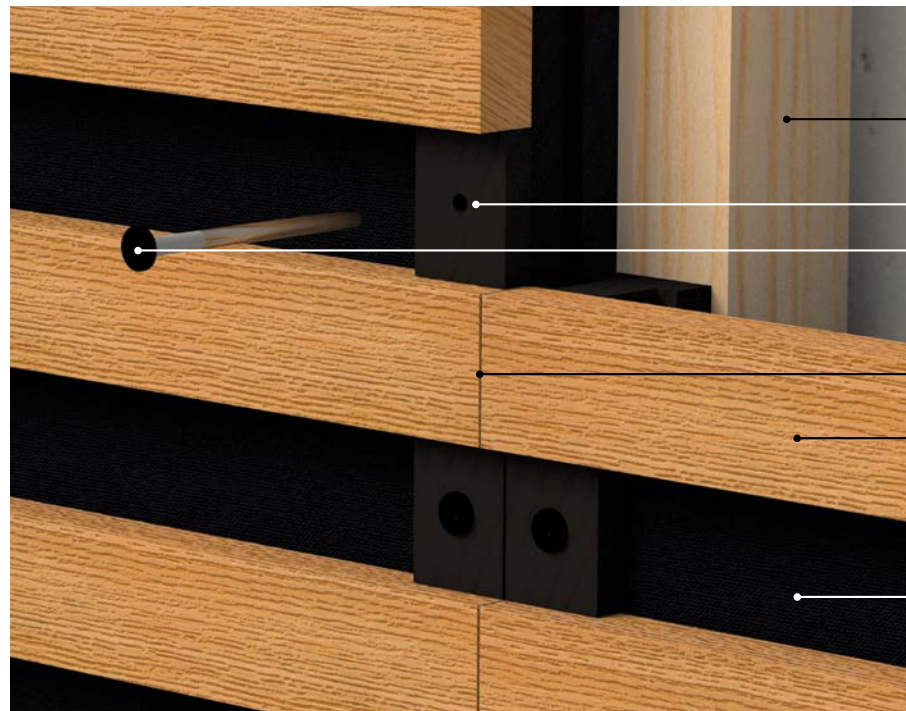


Step 6: Check system lock



Installation wall

General views



Fitting principle

Framework

Pre-drilled

Round-head screw

Shadow gap

LINEA panel

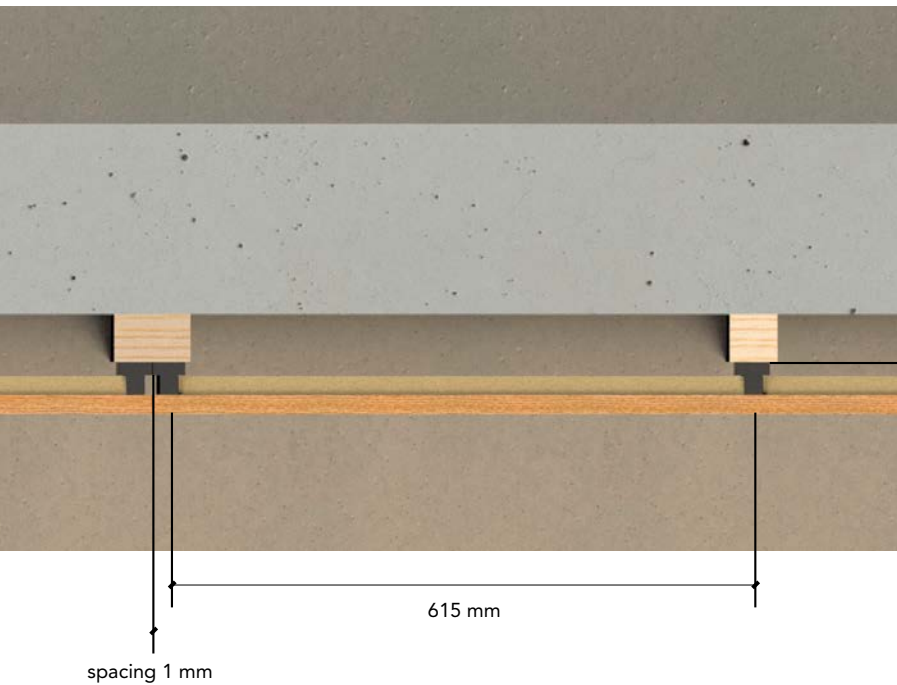
Acoustic mineral wool tile

Frame

Fitted by screwing onto framework through the black counter-slats (2 black-lacquered round-head screws per batten) as per DTU 36.2 and EN 14915.

* The entire framework and suspension system must be designed for use and application in damp and/or corrosive environments.

System dimensions



Details

Acoustic plenum

Complex thickness

Acoustic thickness

WALL

Model	Complex thickness	Acoustic thickness
4.2	55 mm	91 mm
9.2	55 mm	91 mm
2.4	69 mm	113 mm
2.6	95 mm	139 mm
2.9	117 mm	161 mm
3D SCALE	67 mm	111 mm
3D PIX	67 mm	111 mm
3D EDGE	75 mm	111 mm
3D BAMBOO	75 mm	111 mm
3D BAMBOO WAVE	91 mm	127 mm

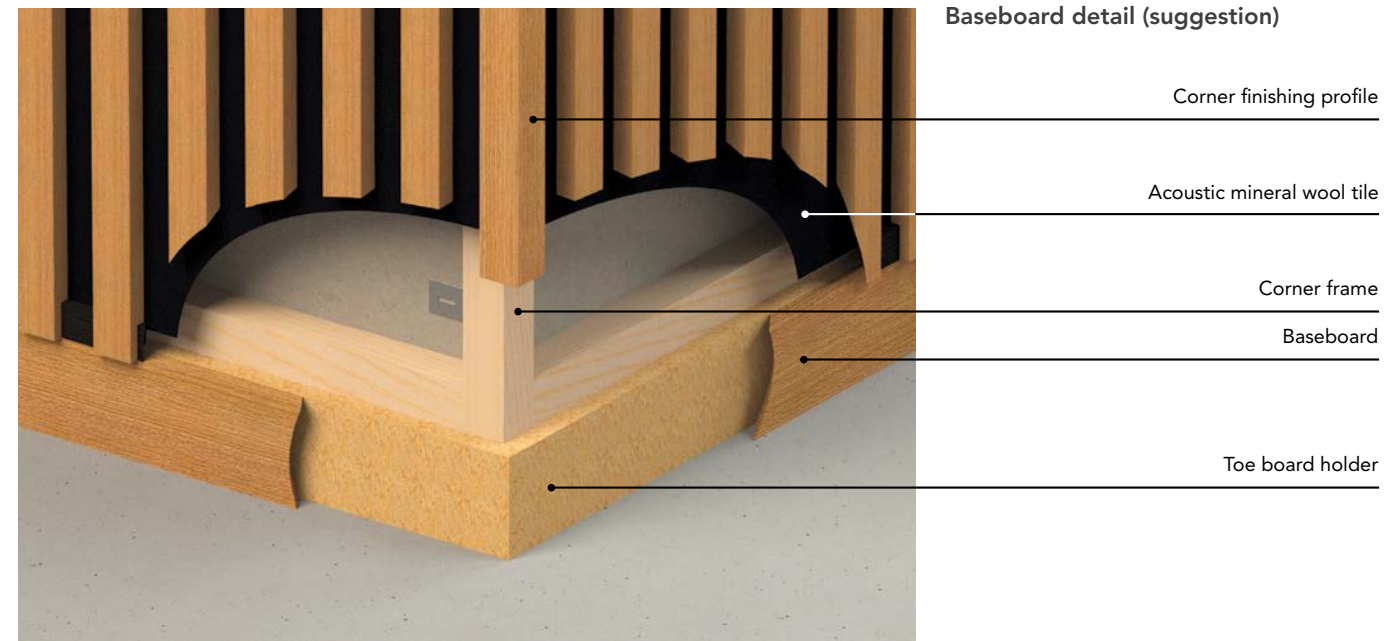
Installation wall

Vertical fitting

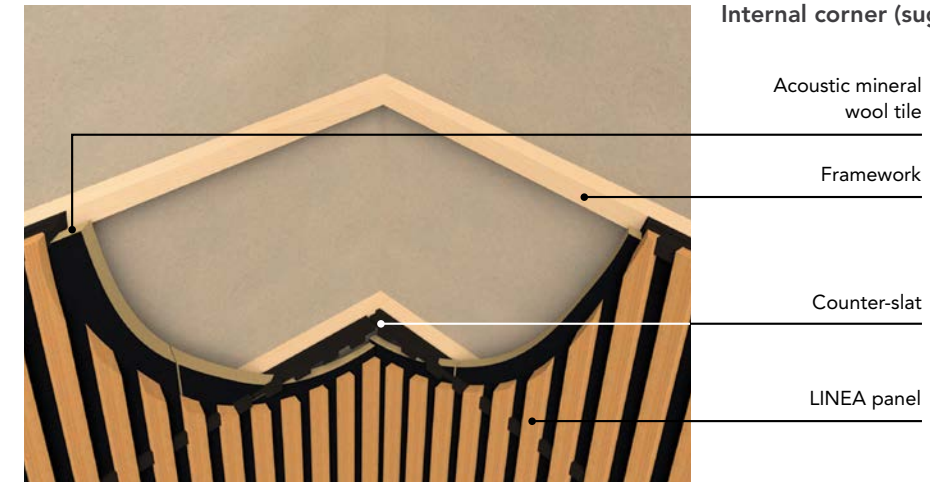
Overview



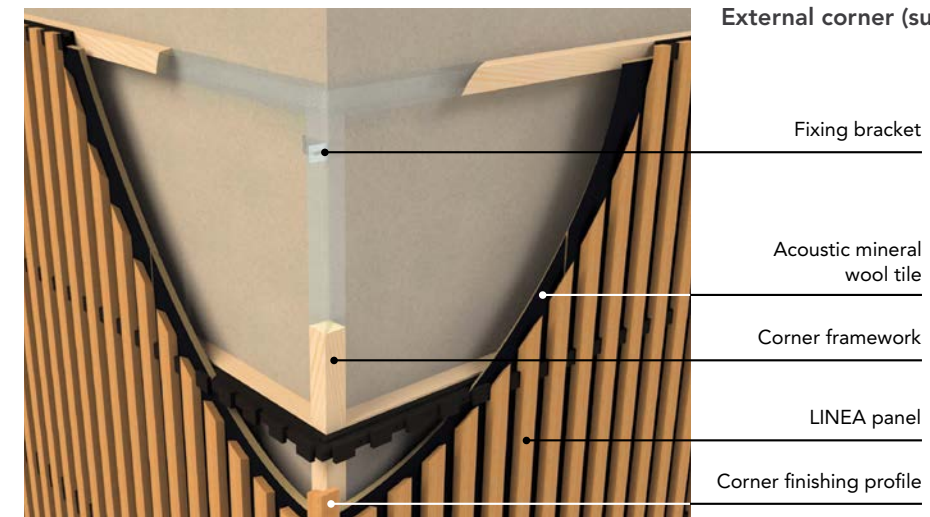
Baseboard detail (suggestion)



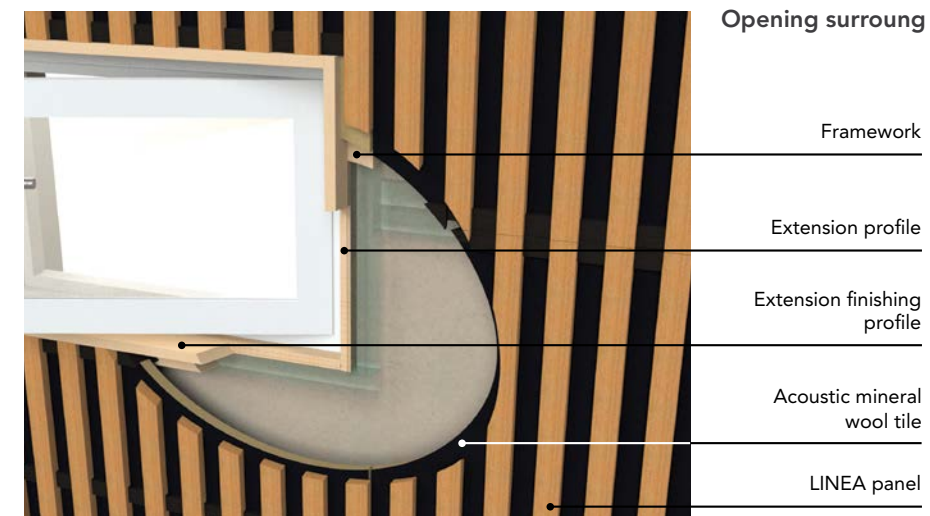
Internal corner (suggestion)



External corner (suggestion)

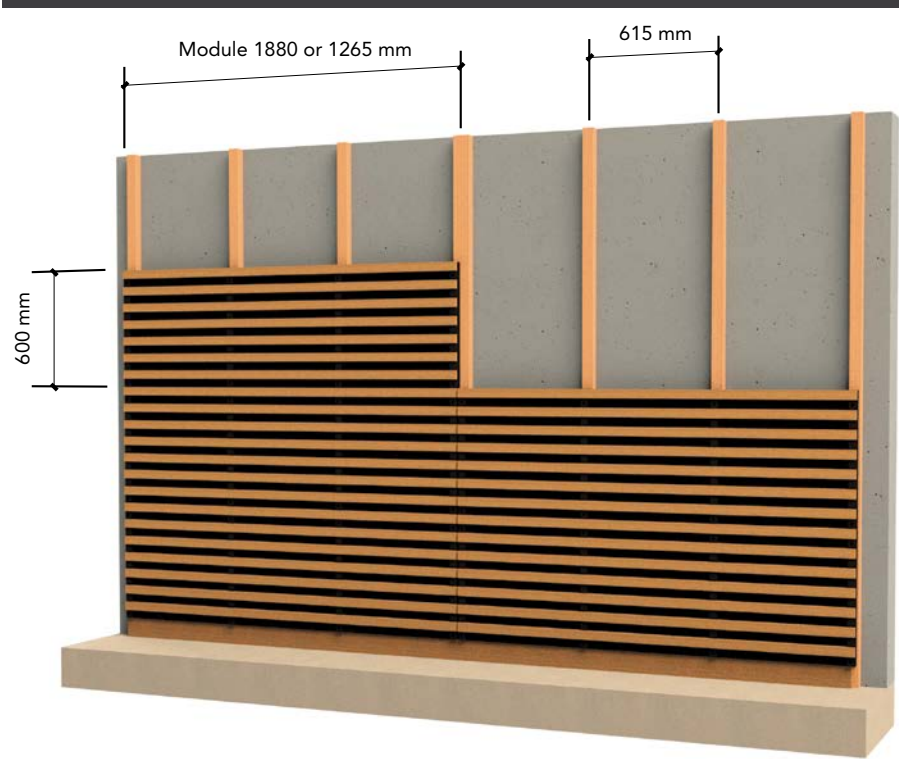


Opening surroung (suggestion)

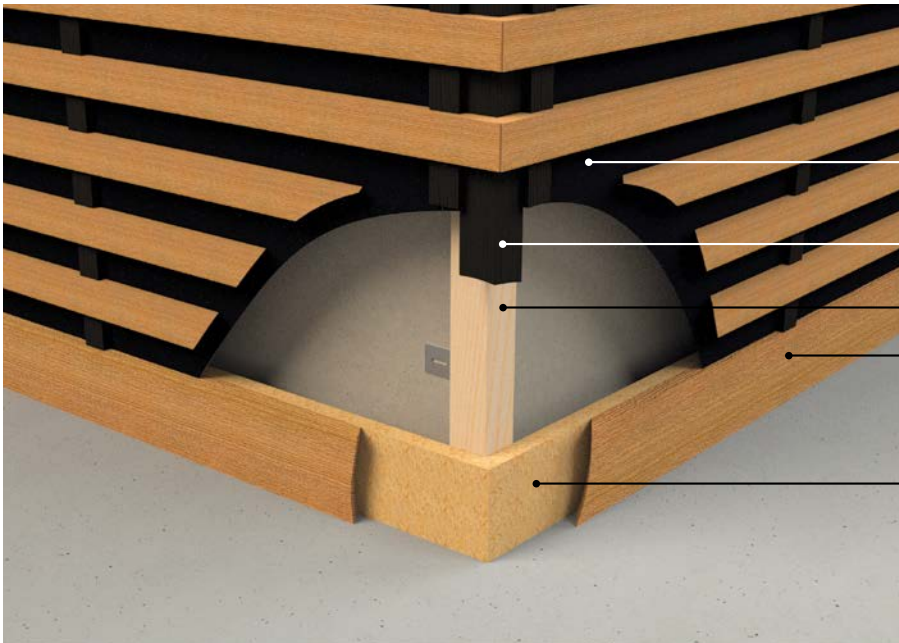


Installation wall

Horizontal fitting

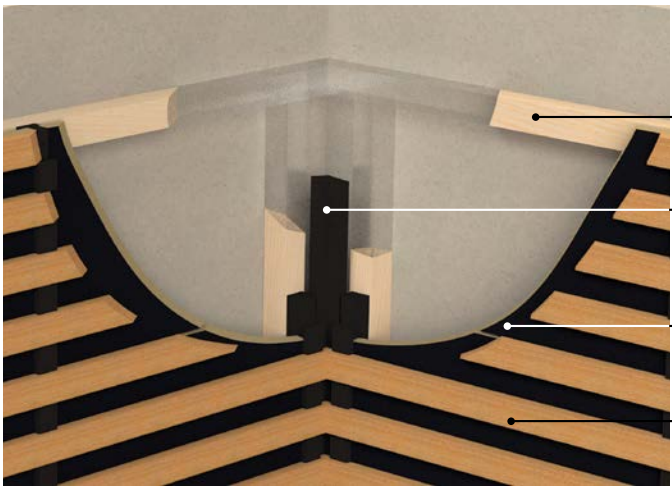


Overview



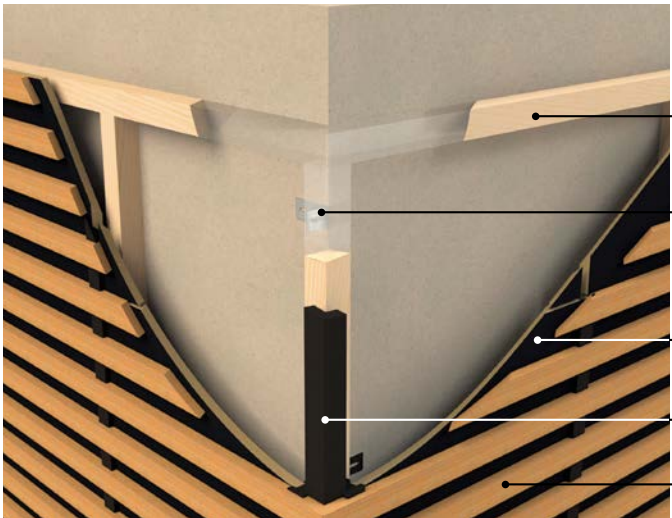
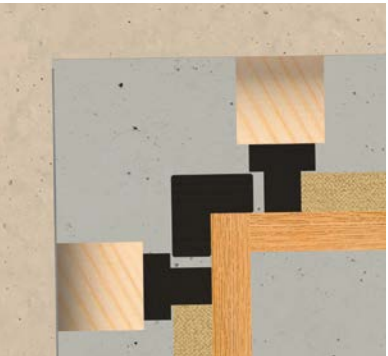
Baseboard detail (suggestion)

- Acoustic mineral wool tile
- Corner finishing profile
- Corner framework
- Baseboard
- Toe board holder



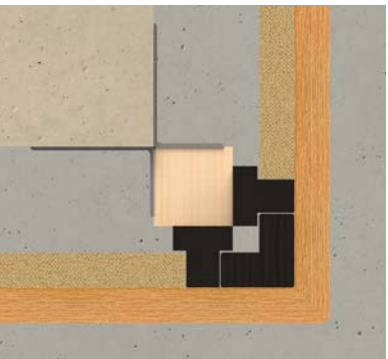
Internal corner (suggestion)

- Framework
- Corner finishing profile
- Acoustic mineral wool tile
- LINEA panel



External corner (suggestion)

- Framework
- Fixing bracket
- Acoustic mineral wool tile
- Corner finishing profile
- LINEA panel



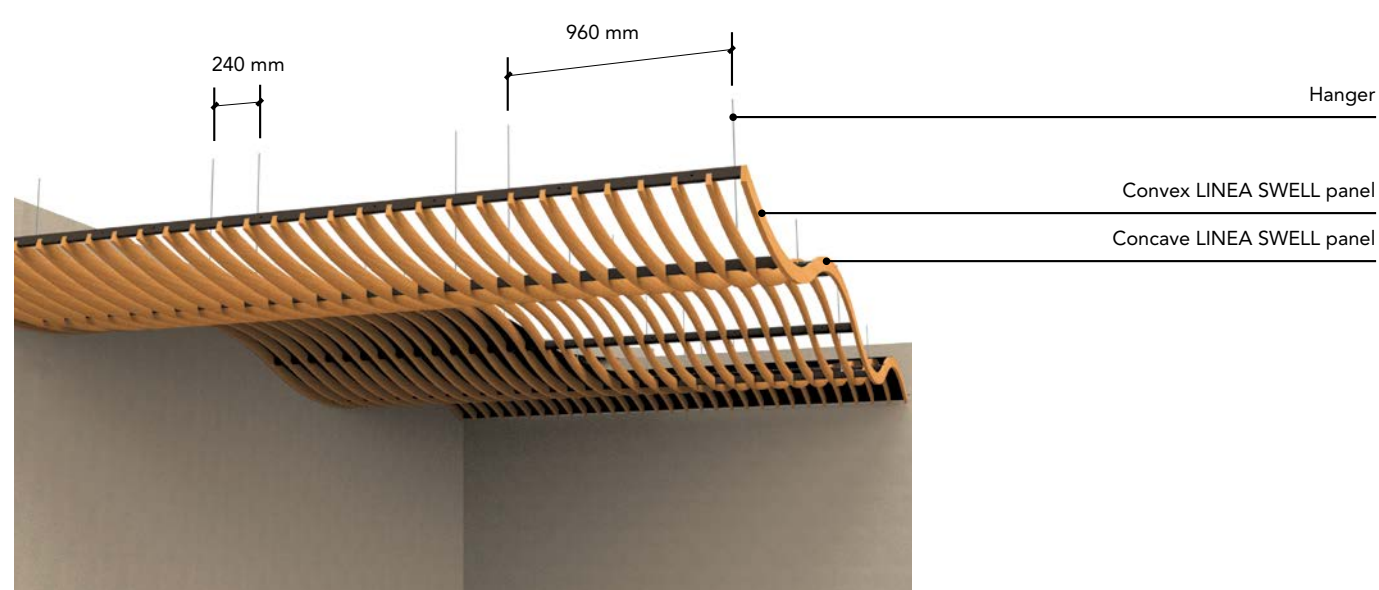
Opening surround (suggestion)

- Acoustic mineral wool tile
- Extension finishing profile
- Extension profile
- Framework
- LINEA panel

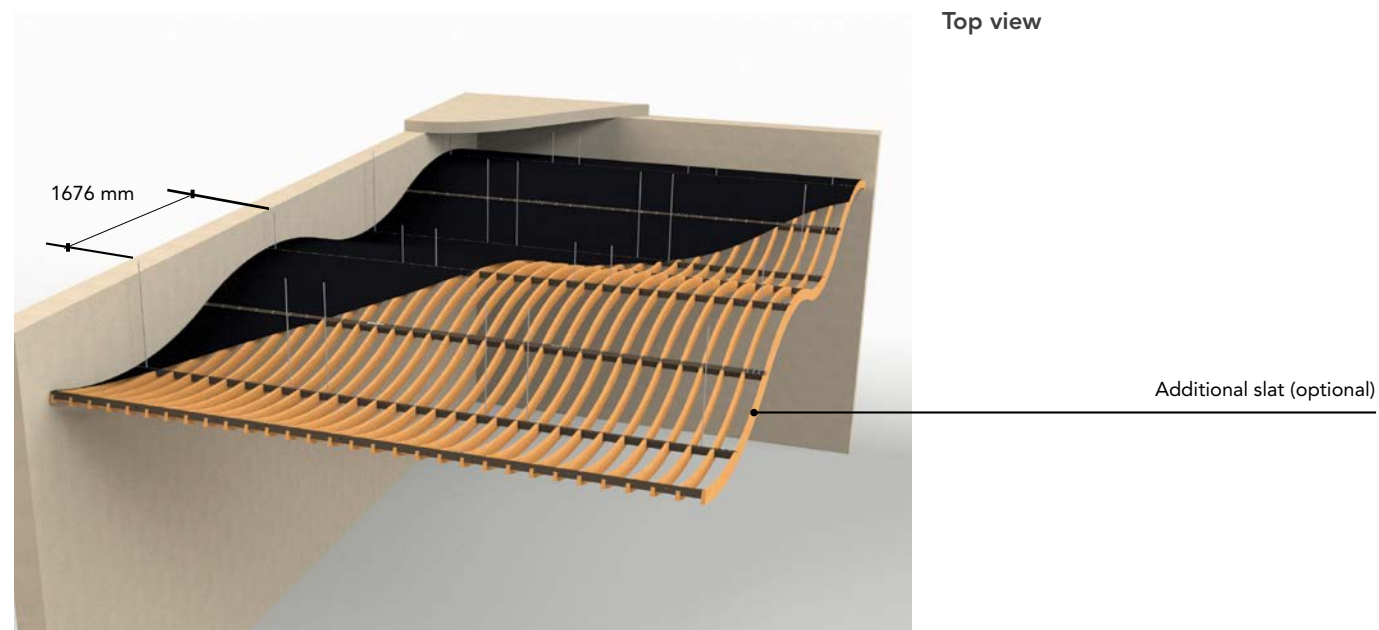
Installation LINEA SWELL

General views

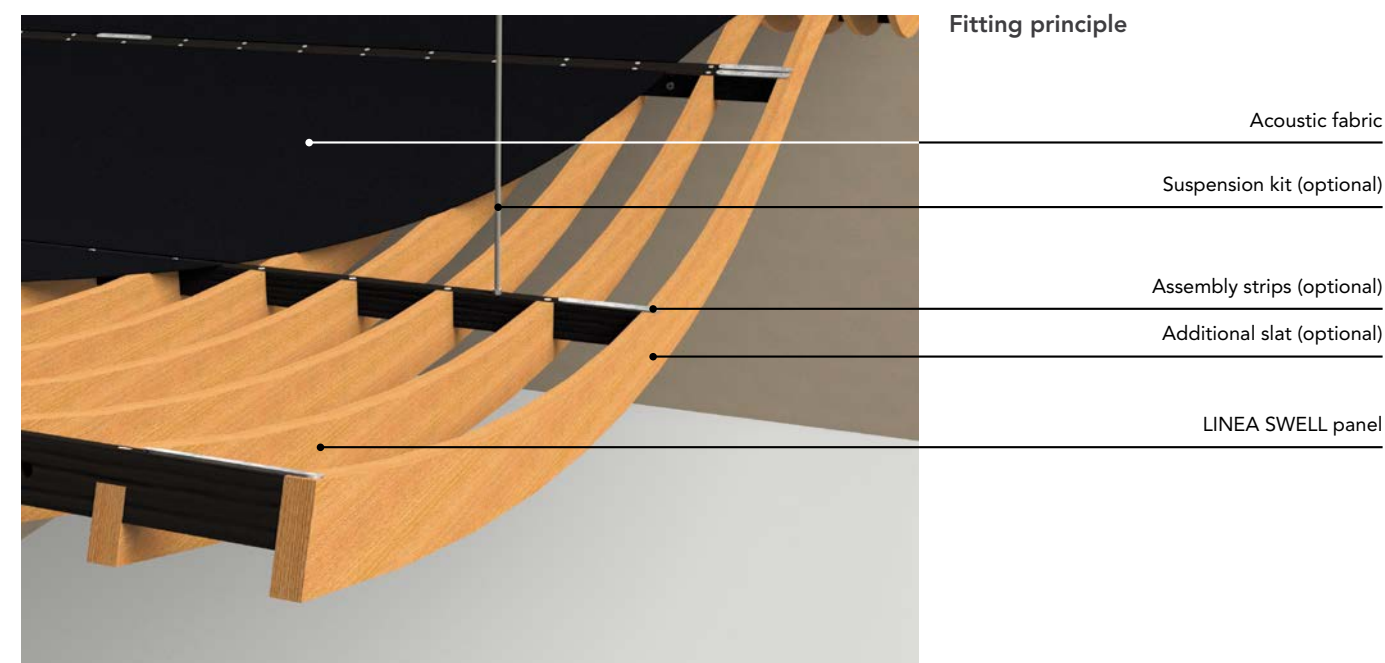
Bottom view



Top view



Fitting principle



Edge finishing by adding an additional slat (option) attached with assembly strips (option).

Frame

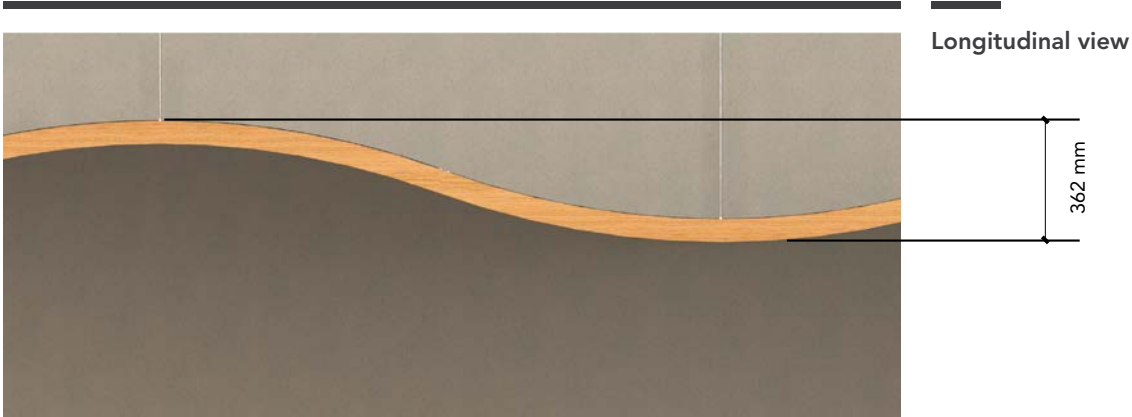
Installed by suspension to threaded rods* according to current standards and best practice rules in each country (French standards NF P 68203-1 and DTU 58-1, 2008 edition France).

* The entire frame and suspension system must be designed for use and application in damp and/or corrosive environments.

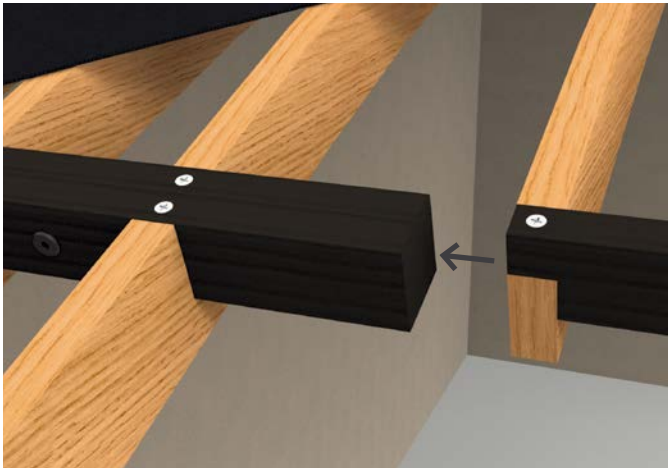
Installation

LINEA SWELL

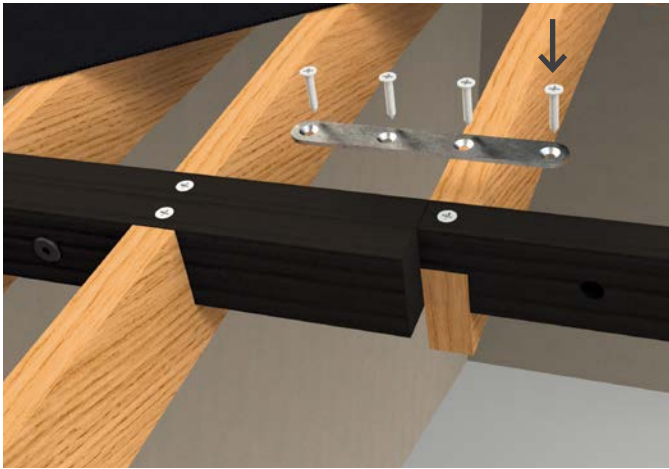
Installation details



Step 1: Position the panel to be fixed



Step 2: Assemble the panels using the assembly strips and 4 screws



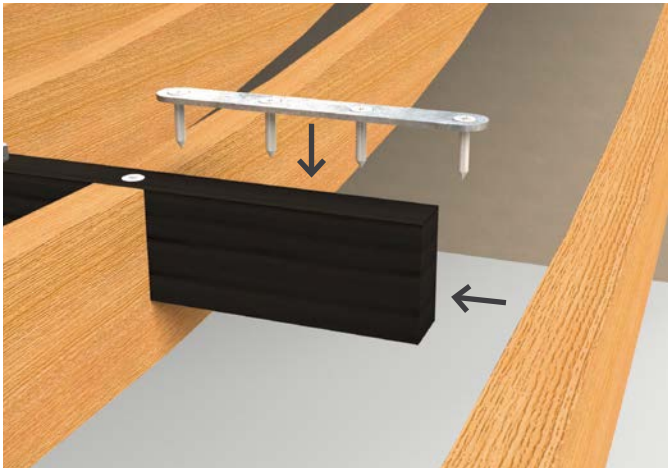
Step 3: Fix the last panel using the joining kit



Step 4: Check system lock



Step 1: Position the additional slat to be fixed



Detail of edges

Step 2: Attach the slat using the assembly strips and 4 screws



Cutting panels

Simple cut of a panel along its length

Step 1: Mark the position of the cut



Step 2: Unscrew the counter-slat to be moved



Step 3: Move the counter-slat



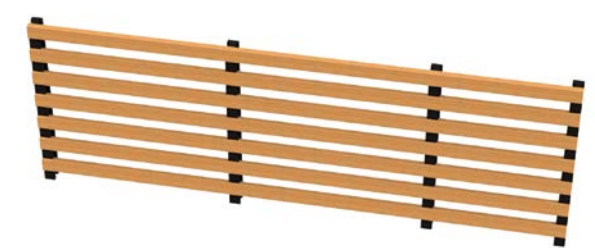
Step 4: Screw the counter-slat back on



Step 5: Cut of the surplus slats



Step 6: Panel ready to be fitted



Before making cuts:

- the maximum slat overhang is 150 mm;
- the maximum cut width varies depending on the model;
- cuts where the counter-slats are modified are made outside the outer counter-slats;
- if the cut is visible, use finishing Wax Color and/or varnish (option).

Step 1: Mark the position of the cut



Simple cut of a panel across its width (wall)

Step 2: Cut the panel following the line of the slats



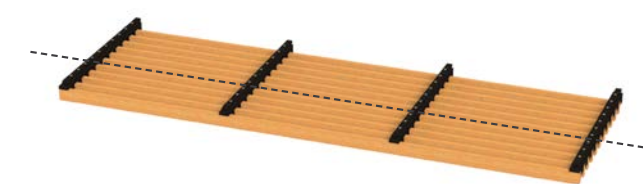
Step 3: Panel ready to be fitted



Cutting panels

Simple cut of a panel
across its width (ceiling)

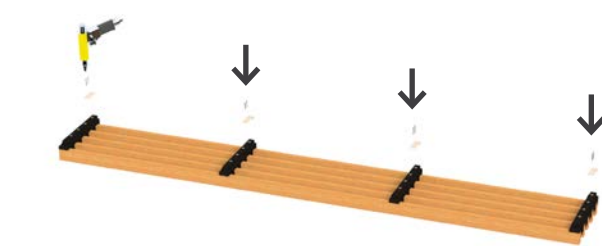
Step 1: Mark the position and side of the cut



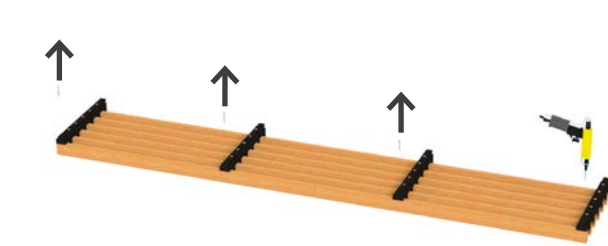
Step 2: Cut the panel



Step 3: Male cut finish – Screw on the edging strip (option)
– Pre-drill Ø 2 mm



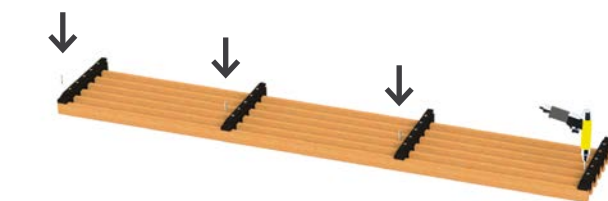
Step 4: Female cut finish – Unscrew the slat-retaining screws



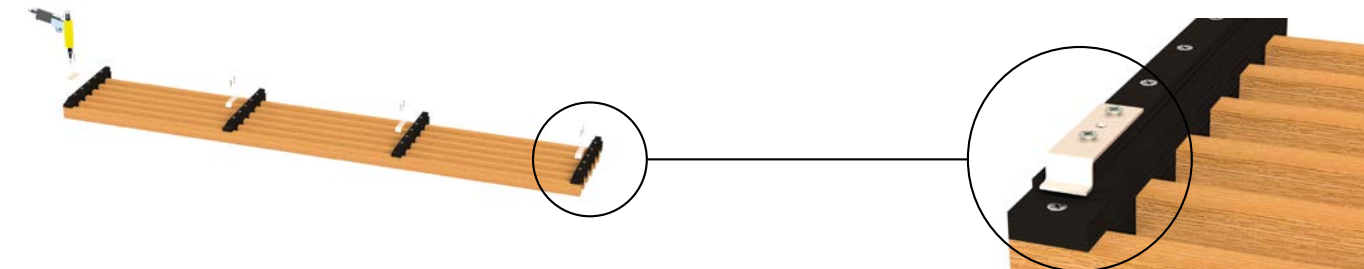
Step 5: Notch the end of the counter-slat



Step 6: Screw the slat-retaining screws back in

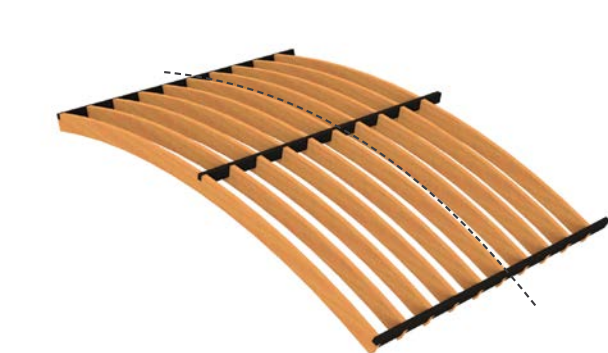


Step 7: Screw on the edging strip (option). Pre-drill Ø 2 mm

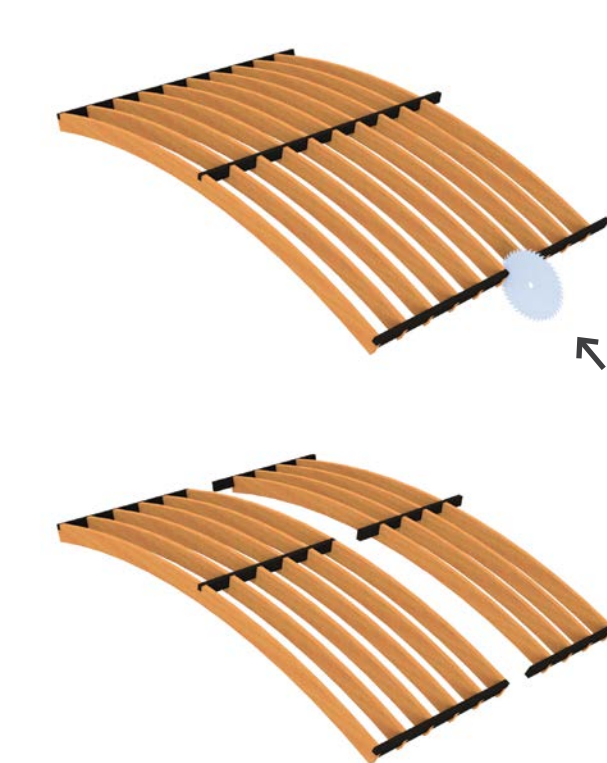


Simple cut of a LINEA
SWELL panel across
its width

Step 1: Mark the position of the cut



Step 2: Cut the panel



Step 3: Panel ready to be fitted, after drilling the counter-slats for the hangers (Ø 9 mm)



Cutting panels

Angled length cut

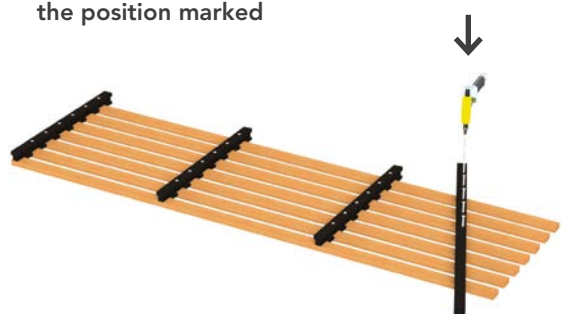
Step 1: Mark the position of the cut



Step 2: Unscrew the counter-slat



Step 3: Screw the cutting profile in the position marked



Step 4: Cut the panel along the cutting profile



Step 5: Cut the surplus of the cutting profile



Step 6: Panel ready to be fitted

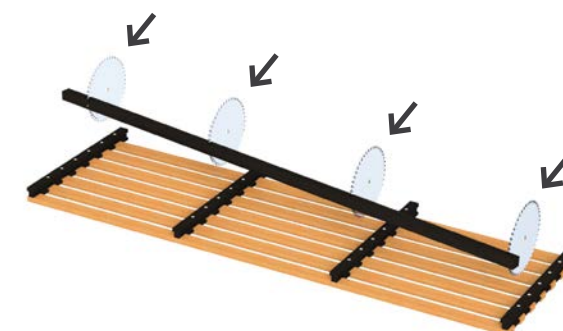


Angled width cut

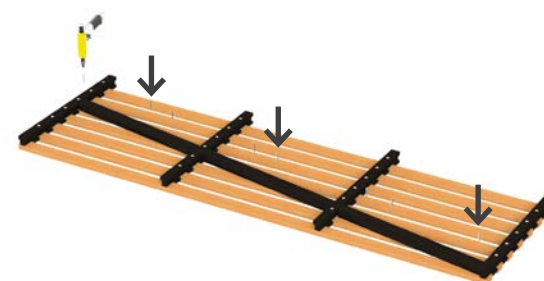
Step 1: Mark the position of the cut



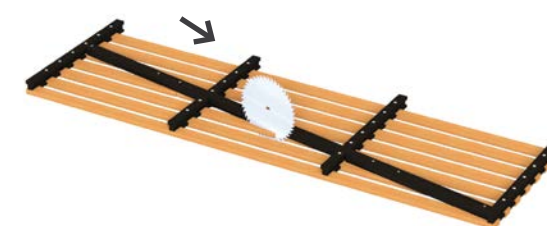
Step 2: Cut the cutting profile



Step 3: Screw on the profile to hold the slats



Step 4: Cut the panel along the cutting profile



Step 5: Panel ready to be fitted



Cutting panels

Random length cut

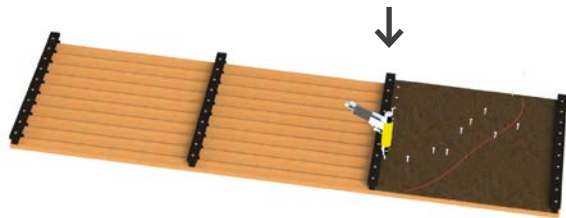
Step 1: Mark the position of the cut



Step 2: Insert the particle plate (option)



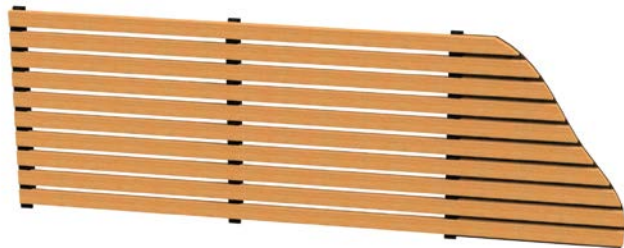
Step 3: Fix the particle plate on the slats and draw the outline



Step 4: Cut the panel following the outline

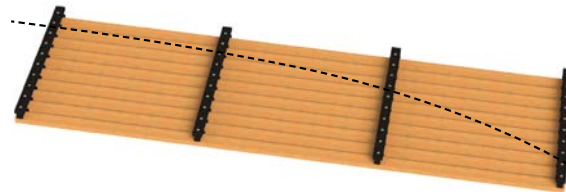


Step 5: Panel ready to be fitted



Random width cut

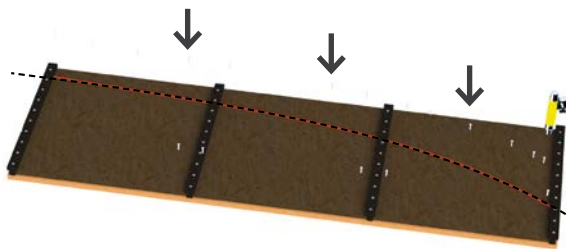
Step 1: Mark the position of the cut



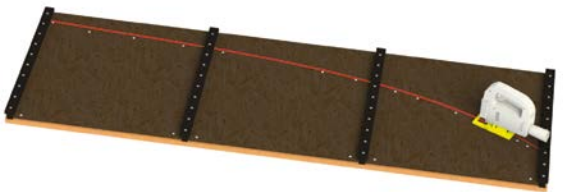
Step 2: Insert the particle plate (option)



Step 3: Fix the particle plate on the slats and draw the outline



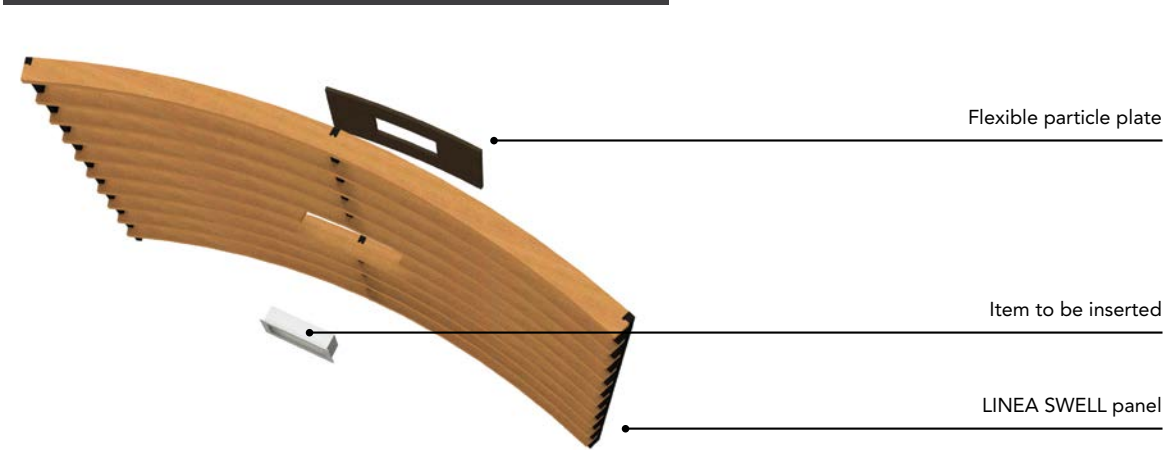
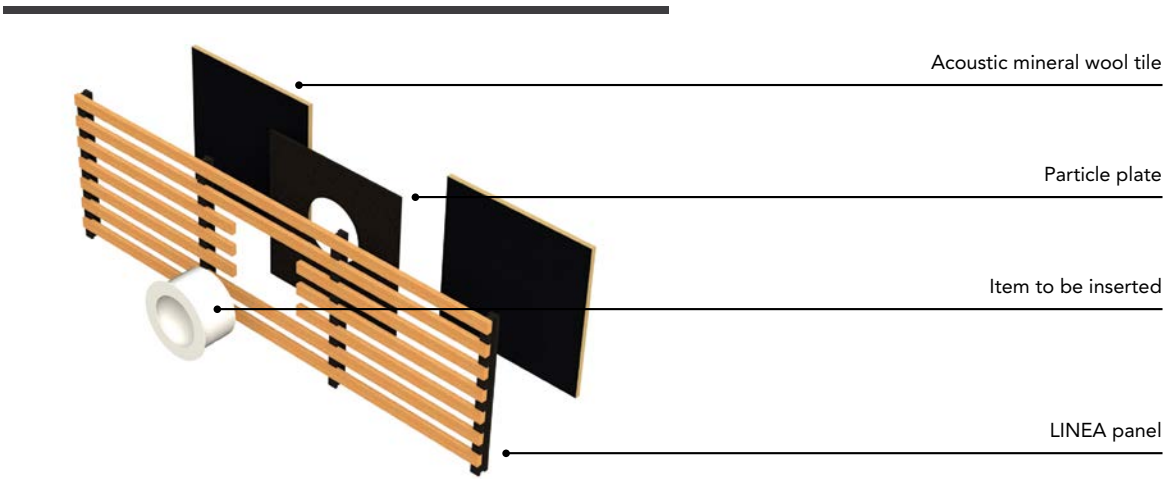
Step 4: Cut the panel following the outline



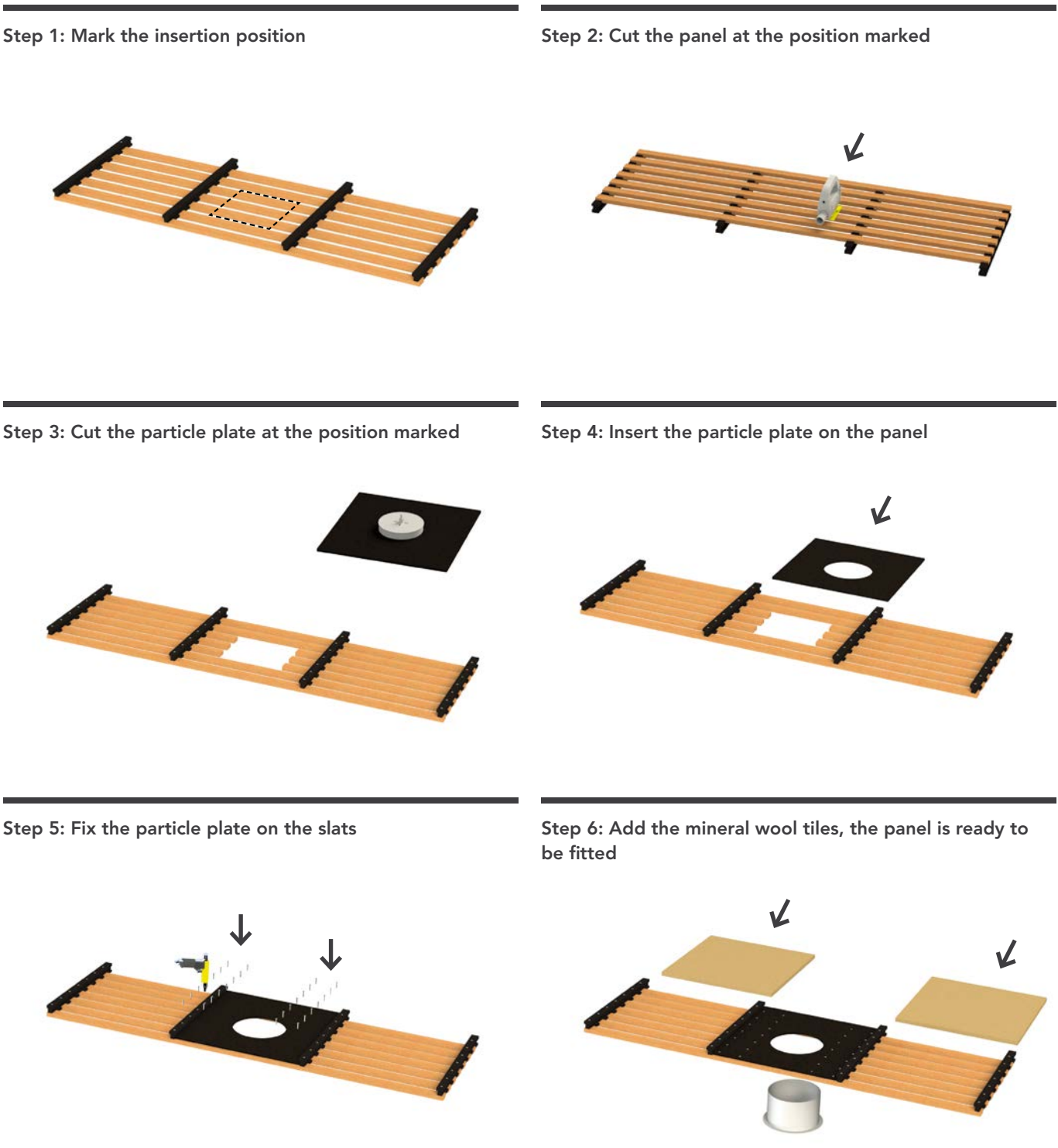
Step 5: Panel ready to be fitted



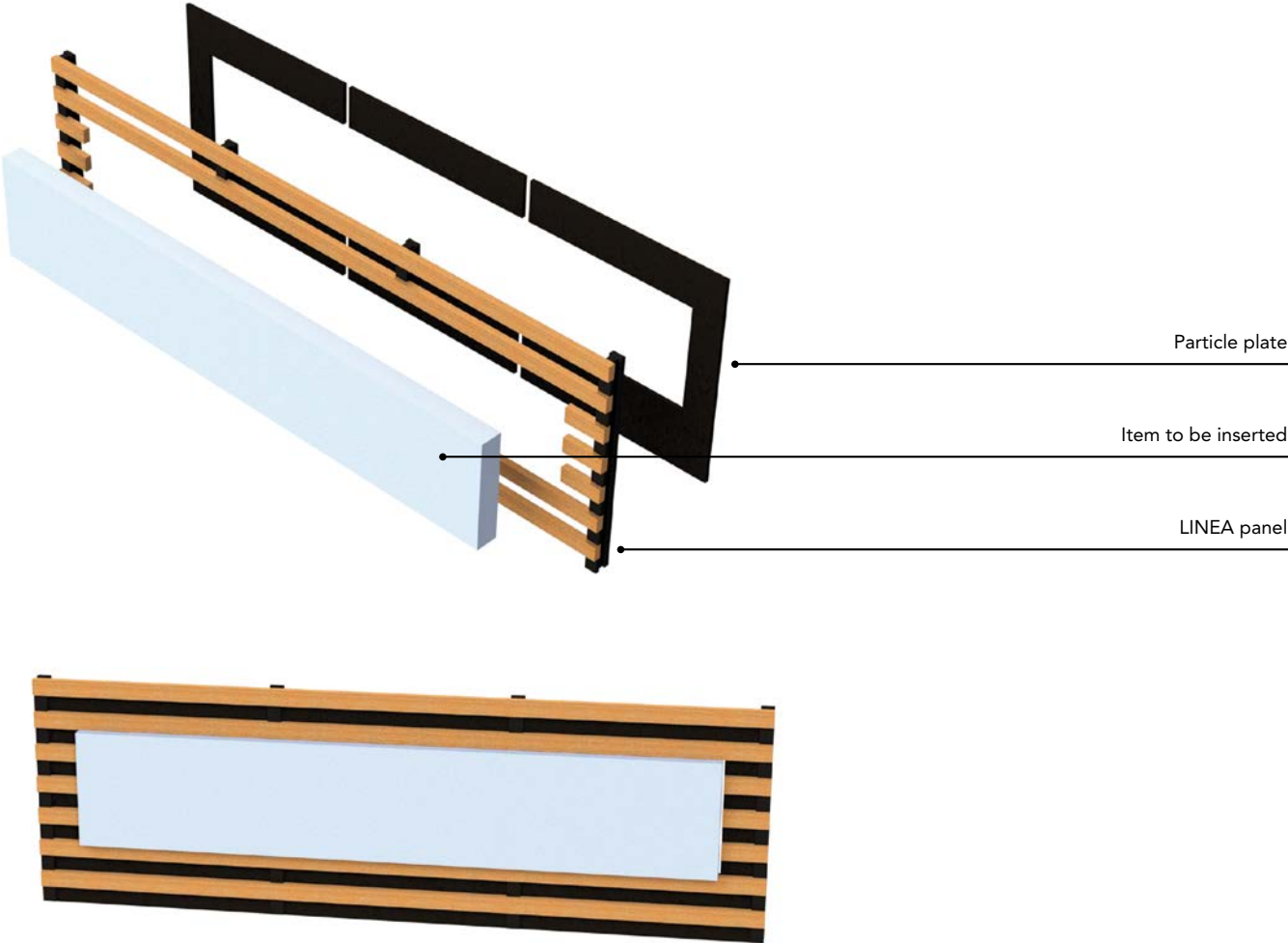
Inserting an item



Insertion between two counter-slats

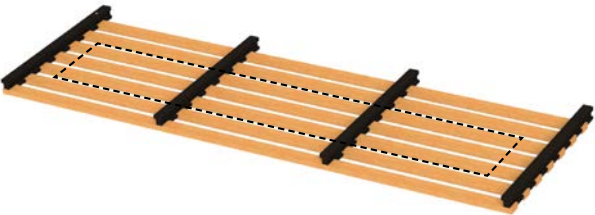


Inserting an item

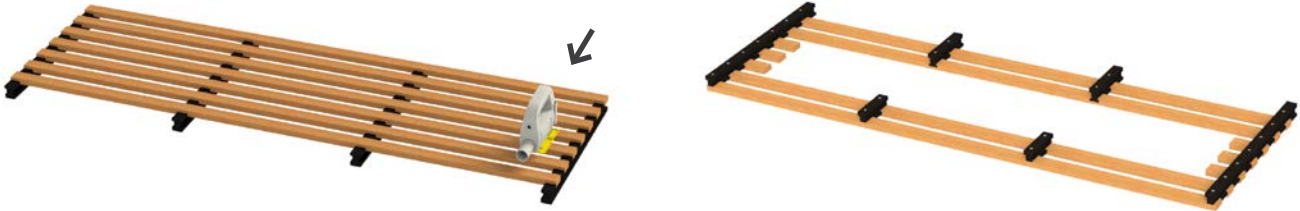


Insertion by modifying counter-slats

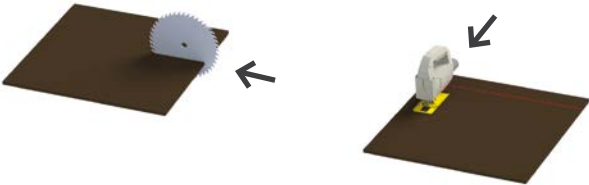
Step 1: Mark the insertion position



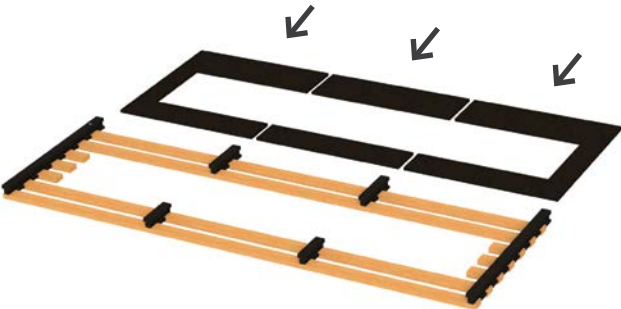
Step 2: Cut the panel at the position marked



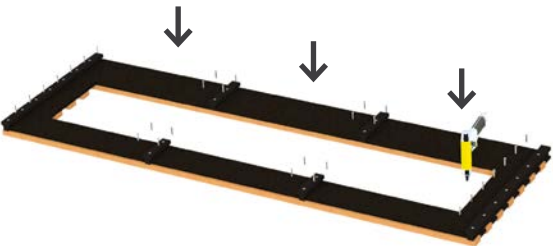
Step 3: Cut the particle plates to fit



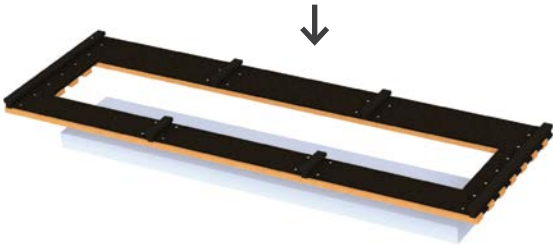
Step 4: Insert the particle plates on the panel



Step 5: Fix the particle plates on the slats

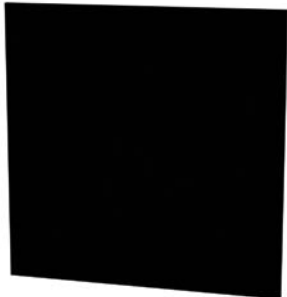


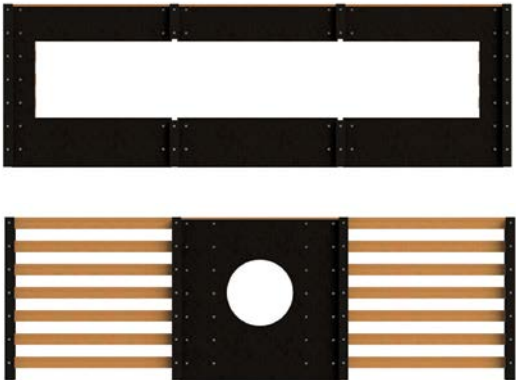
Step 6: Panel ready to be fitted



Options & Accessories

ceiling

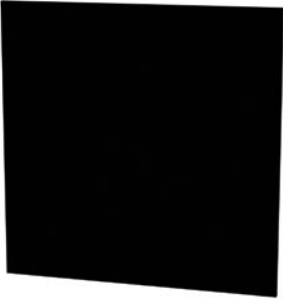
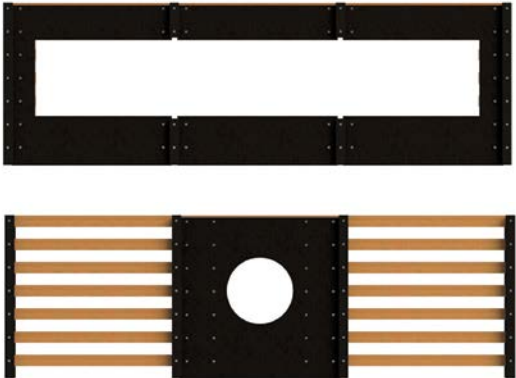
Additional counter-slat	The additional counter-slat allows greater flexibility when cutting panels, remaking and reusing panel offcuts	
Additional slat	The additional slat lets you complete the work using wall angle trims identical to the panels for a neat finish	
Angled cutting profile	The profile gives you greater flexibility when cutting panels, for a perfect fit to the outline of the structure	
Edging strip	The edging strip recreates the edge system on ceiling panels. Material: 316L stainless steel	
Particle black plate	The particle black plate allows you to insert different items and make random cuts, or can be used to close off the plenum while still transmitting sound (reverberation)	

Particle plate machining option	Contact us	
Panel machining option with insertion of particle plates	Contact us	
Finishing option	Finishing can for slats or counter-slats	Varnish, Wax Color In a 1 litre can

Options & Accessories

wall

Additional counter-slat	The additional counter-slat allows greater flexibility when cutting panels, remaking and reusing panel offcuts	
Additional slat	The additional slat lets you complete the work using wall angle trims identical to the panels for a neat finish	
Angled cutting profile	The profile gives you greater flexibility when cutting panels, for a perfect fit to the outline of the structure	
Internal/external corner profile	This profile is used to finish wall corners	
Extension finishing profile	This accessory is used to finish returns (openings, etc.) 20 x 68 mm 	
	20 x 40 mm 20 x 66 mm 	

Particle black plate	The particle black plate allows you to insert different items and make random cuts, or can be used to close off the plenum while still transmitting sound (reverberation)	
Particle plate machining option	Contact us	
Panel machining option with insertion of particle plates	Contact us	
Finishing option	Finishing can for slats or counter-slats	Varnish, Wax Color In a 1 litre can



Options & Accessories

LINEA SWELL



Additional slat	The additional slat lets you complete the work using wall angle trims identical to the panels for a neat finish (1 slat, 3 mounting brackets + 12 screws 3.5 x 20 mm)	
Hanging kit*	Hanging kit (2 x 1 m threaded rods, 2 locknuts and 2 Combifix)	
Joining kit*	Kit of 10 joining assemblies (20 Combifix, 10 threaded rods Ø 6 x 30 mm)	
Assembly strips*	Kit of 10 assembly strips + 40 screws 3.5 x 20 mm	
Particle black plate	The particle black plate allows you to insert different items and make random cuts, or can be used to close off the plenum while still transmitting sound (reverberation)	
Finishing option	Finishing can for slats or counter-slats	Varnish, Wax Color In a 1 litre can



Visual comparison LINEA range



LINEA 4.2.1	LINEA 4.2.4	LINEA 9.2.1	LINEA 9.2.3	LINEA 9.2.6	LINEA 2.4.3	LINEA 2.4.5
LINEA 2.6.5	LINEA 2.6.6	LINEA 2.6.8	LINEA 2.6.10	LINEA 2.9.8	LINEA 2.9.10	LINEA 2.9.13



Visual comparison
LINEA 3D range



LINEA 3D EDGE



LINEA 3D PIX



LINEA 3D SCALE



LINEA 3D BAMBOO



LINEA 3D BAMBOO WAVE



LINEA SHAPE and
LINEA SWELL models



LINEA SHAPE – module 1



LINEA SHAPE – module 2



LINEA SHAPE – module 3



LINEA SWELL – convex (or concave) module



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wood in genes