EDGE

LAUDER LINEA 3D

INTERIOR

LAUDESCHER

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A graphic effect that plays with volume, rhythm and light

The new LINEA 3D **range is an architectural panelling solution made up of openwork solid wood slats for the interior covering of walls and suspended ceilings.**

Created with Woodlabo's designer-joiners, it offers a «haute couture» finish, thanks to three-dimensional high-precision woodwork that uses volume, rhythm and light to achieve a unique graphic appearance.

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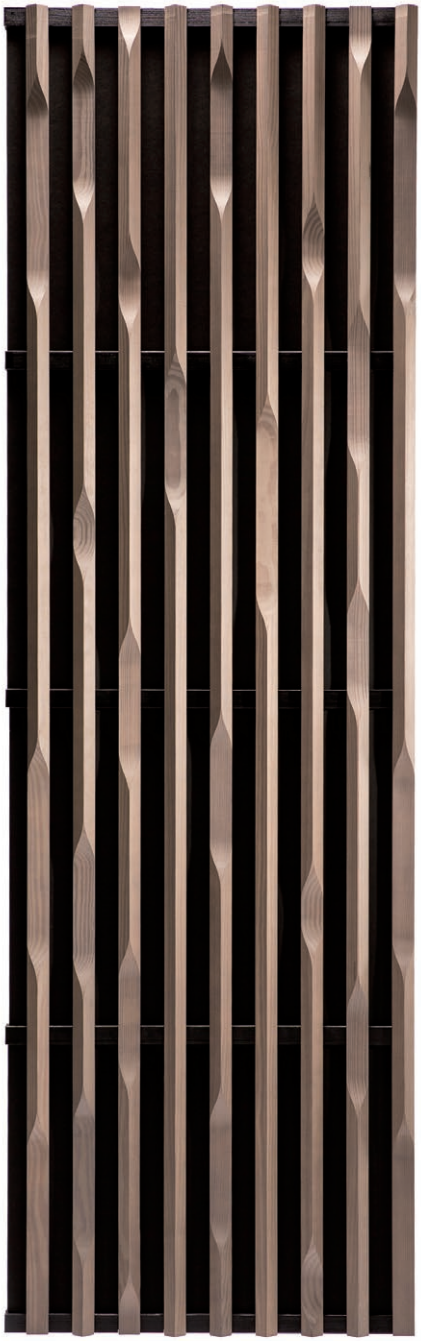

Solid wood with environmental certifications (PEFC/FSC)

All the slats are carefully selected to ensure the quality of the finished products (dry wood 10 to 12%, 1st choice). They are PEFC/FSC certified, guaranteeing that raw timber material come from sustainably managed forests. Laudescher panels result in low waste levels and are recyclable.

Improved hygiene and ventilation

Laudescher panels procure excellent circulation of air for improved ventilation and hygiene. The slatted panels are subject to an environmental and health declaration form.

High acoustic performance

Sound-insulated faced lining improves the acoustic performance of the panels (absorption and diffusion).

Optimum reaction to fire

Euroclass B-s1,d0
according to EN 13501-1

Good resistance to moisture

For installations with high humidity levels, category 3 timber species should be used. Risk categories according to NF EN 335-2 and NF B 50-100.

A wide range of colours

One main species is offered: pine.
A wide range of Wax Color finishes allows the wood to be tinted and enhanced it, without being altered with it.

A customised response to the most ambitious projects

Its level of expertise allows Laudescher to provide unique technical and aesthetic responses by adapting the panel size, spacing, width and depth of the slats, their shape and the timber species.

ABOUT LAUDESCHER

- Designer and manufacturer of solid wood slatted panels, for interior cladding, walls, ceilings (LINEA), or external envelope (PAREA);
- Over 50 years of experience, 3 generations, 45 employees;
- R&D, design and manufacturing brought together on a 7,400 m² industrial site in Normandy;
- Timber supplied exclusively from sustainably managed forests;
- Approximately 500 major projects every year in France and abroad;
- Certified company:
  ISO **50001** (energy efficiency)
  ISO **14001** (environmentally-friendly approach)
  ISO **9001** (quality commitment)
  CE marking

CONTACT

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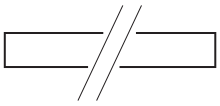
TECHNICAL SPECIFICATIONS

Panel dimensions	1 880 x 600 mm (bespoke size available)
Cross-section of slats	40 mm (front) x 40 mm (height)
Spacing between slats	35 mm
Slats center to center	75 mm
Black rear counter slats	34 x 45 mm
Overall thickness	75 mm
Wood species	Pin
Surface mass (pine)	12,2 kg/m² (wall), 12,4 kg/m² (ceiling)
Opening percentage	47%

EDGE SYSTEM

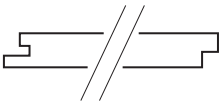
Wall



Edge: A

Mechanical fixing
using screws
(according to DTU 36-2)

Suspended ceiling

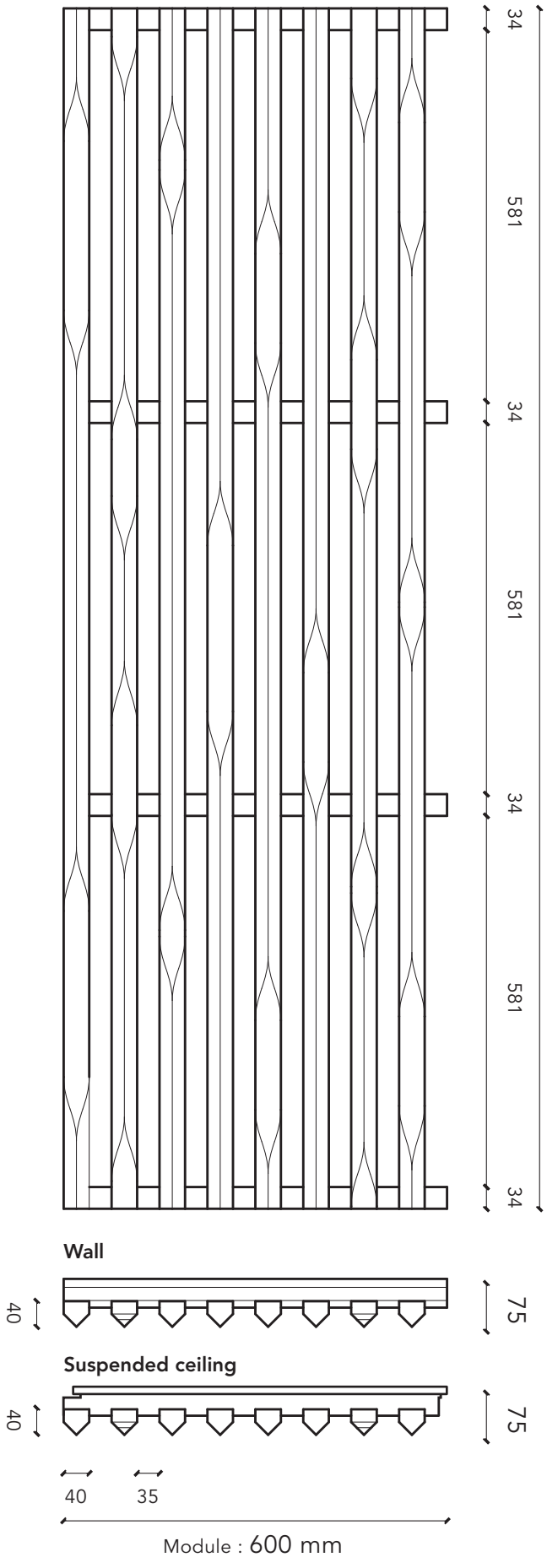


Edge: D/C

Grid system installation
(according to DTU 58-1)

FINISH/REACTION TO FIRE (ACCORDING TO EN 13501-1)

Natural	D-s1,d0 / B-s1,d0
Clear lacquer	D-s1,d0 / B-s1,d0
Wax Color	D-s1,d0 / B-s1,d0
Wax Color MC	D-s1,d0 / B-s1,d0



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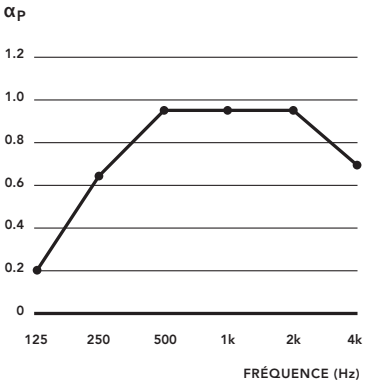
Sound absorption was measured according to ISO 354.
The various data elements relating to sound absorption have been calculated in accordance with ISO 11654 (Lauder LINEA + rigid mineral wool tiles).

ACOUSTIC RESULTS

EDGE WALL + 20 MM MW ON PLENUM E50 MM

AVERAGE COEFFICIENT OF SOUND ABSORPTION



F (Hz)	α_P
125	0.20
250	0.65
500	0.95
1,000	0.95
2,000	0.95
4,000	0.70

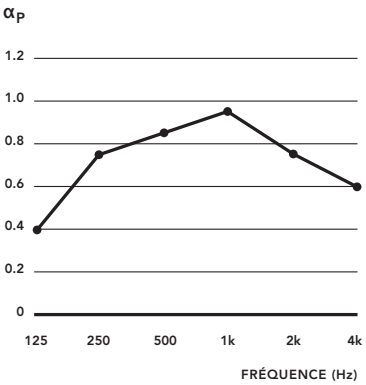
WEIGHTED INDEX:
α_w = 0.85

ABSORPTION CATEGORY:
Classe B

ACCORDING TO ASTM C423:
NRC = 0.9

EDGE CEILING + 20 MM MW ON PLENUM E50 MM

AVERAGE COEFFICIENT OF SOUND ABSORPTION



F (Hz)	α_P
125	0.40
250	0.75
500	0.85
1,000	0.95
2,000	0.75
4,000	0.60

WEIGHTED INDEX:
α_w = 0.75

ABSORPTION CATEGORY:
Classe C

ACCORDING TO ASTM C423:
NRC = 0.85