

# Wall cladding

Lauder  
**INEA**

LAUDESCHER  
PROCESS BOIS

# Wood species and colour chart

## Solid wood

Wood is a natural material, and depending on the species, may have greater or lesser variations in tone, colour and grain pattern, or imperfections such as knots, checks, etc. These features are inherent to the material and never represent a defect in quality. Each panel is unique and may have surface irregularities which guarantee that real wood, a natural and living material, has been used.



**Pine**  
Homogeneous, knot-free pale wood, clearly visible grain patterning, straight fine to medium grain



**Douglas Fir**  
Excellent quality wood, moderately heterogeneous, brown-beige to brown-pink, straight medium grain



**Oak**  
Hardwood, moderately heterogeneous, light brown to varying shades of dark brown, with a very specific straight medium grain



**Red Cedar**  
Highly heterogeneous wood, ranging from brown-pink to red-brown and dark brown, straight and regular fine to medium grain

## Wax Color finish

### Wax Color finish on Pine

Care for and enhance the material through factory application of the Wax Color process. A wide range of wood tone colours for a durable, impressive, natural and environmentally-friendly finish.



White



Wenge



Grey

### Wax Color MC finish on Pine

The Wax Color process specially developed to meet the demands of applications in moist and corrosive environments



Oak



Mahogany



Honey



Cherry



Chocolate



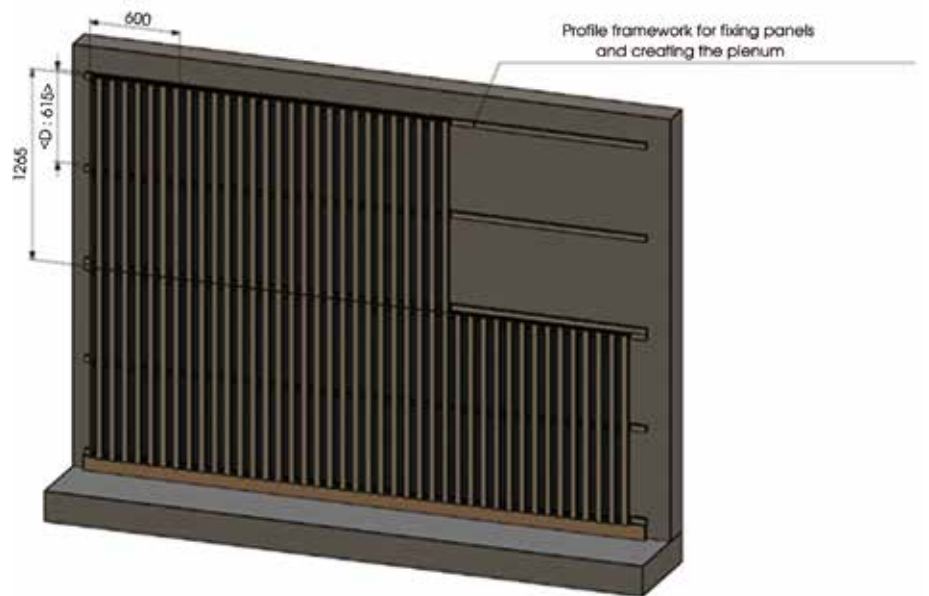
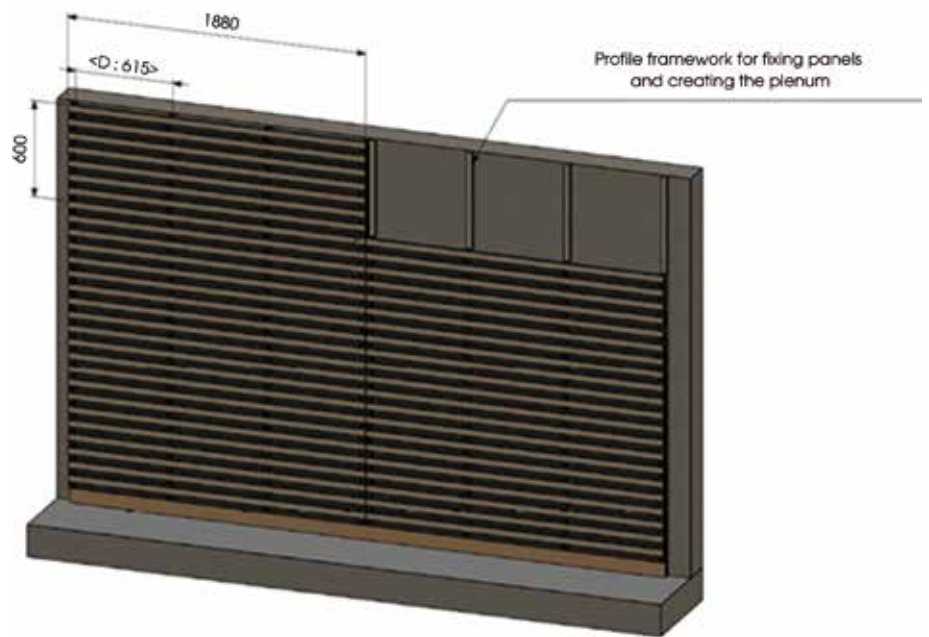
# Wall cladding installation

- Screw-mounted onto a separate framework 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.

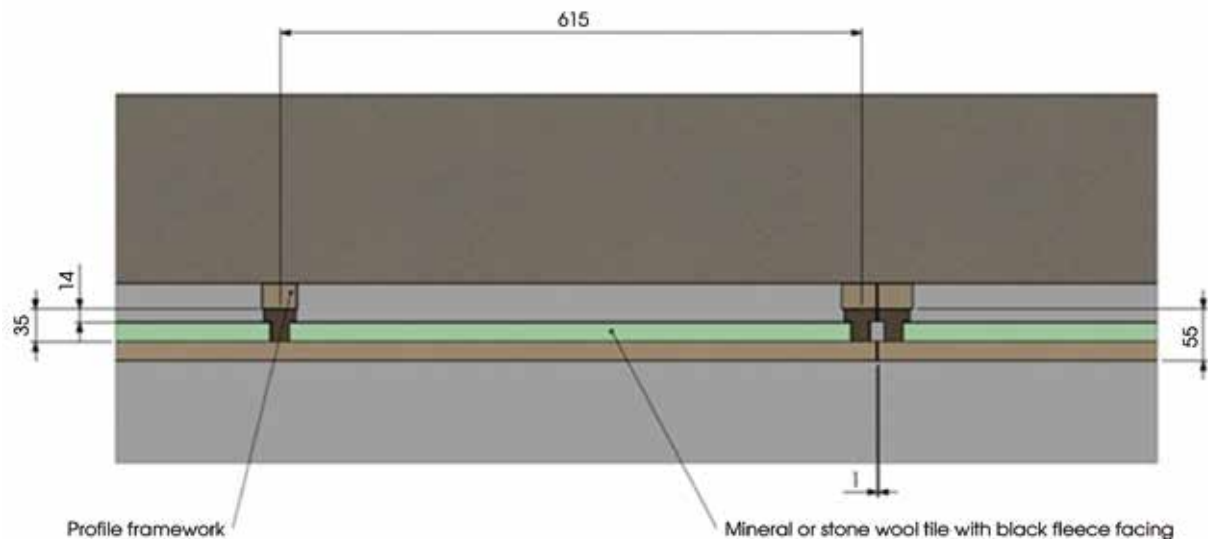
## Framework system in moist and/or corrosive environments

All of the framework system and fixing points must be appropriate for use in moist and/or corrosive environments. The wood used in the framework must be class 4.

Vertical and horizontal mounting  
*(Laudescher does not supply all of the framework)*



## Sectional view



# Lauder LINEA wall cladding range



		4.2		2.4			2.6		2.9	
Product reference		4.2.4	4.2.1	2.4.3	2.4.5	2.4.6	2.6.6	2.6.8	2.6.10	2.9.10
Slat section	Facing side	42 mm	42 mm	20 mm	20 mm	20 mm	20 mm	20 mm	20 mm	20 mm
	Thickness	20 mm	20 mm	42 mm	42 mm	42 mm	68 mm	68 mm	68 mm	90 mm
Spacing between slats		43.71	18 mm	34.54 mm	55 mm	65.71 mm	65.71 mm	80 mm	100 mm	100 mm
Slat distance		85.71 mm	60 mm	54.54 mm	75 mm	85.71 mm	85.71 mm	100 mm	120 mm	120 mm
Total thickness		55 mm	55 mm	69 mm	69 mm	69 mm	95 mm	95 mm	95 mm	117 mm
Average void area		51%	30%	63%	73%	77%	77%	80%	83%	83 %
Modular dimensions		1 880 X 600 mm and 1 265 x600 mm								
Acoustic 20mm MW or SW on E50 mm plenum	Weighted index	$\alpha_w = 0.85$								
	Absorption class	Class B								
	ASTM C423	NRC = 0.90	NRC = 0.85	NRC = 0.90	NRC = 0.90	NRC = 0.90	NRC = 0.90	NRC = 0.90	NRC = 0.90	NRC = 0.90
Reaction to fire		B-s1,d0 / B-s2,d0 / D-s1,d0** as defined in standard EN 13501-1								
Humidity resistance		For high indoor humidity buildings, use of class 3 wood. Risk classes as defined in standard EN 335-2								
PEFC		PEFC certification no. BV/CdC/6004780								
Indoor air quality		VOC: A+ and A as defined in ISO 16000-3, 6, 9 and 1								
Formaldehyde release		E1 as defined in standard EN 717-2								
Installation system		Direct mechanical fixing								
Weight in Kg/m <sup>2</sup>	Pine	8.50	11.40	12.4	9.5	8.5	12.85	11.7	9.7	12.3
	Douglas Fir	8.40	11.20	12.2	9.4	8.45	12.65	11.55	9.55	12.1
	Oak	10.75	14.60	15.9	12.05	8.45	16.45	14.80	12.3	15.7
	Red Cedar	-	-	-	-	-	9.6	8.95	7.4	-

\*\* In accordance with the provisions of article AM4 (French regulation) "Vertical walls of unprotected open spaces and buildings" 2, taken from "Fire safety regulations for buildings open to the public"



# General performance

## Wall cladding conformity

The products in the Lauder LINEA Wall range are compliant with standard EN 14915 Solid wood panelling and cladding, mandatory since 2008. It defines the specifications of the products that can or are required to appear on labelling and documentation.

## Industrial manufacturing process

Rebated using halved joint assembly guaranteeing a perfect hold.

## Solid wood

All of our solid wood is rigorously selected to guarantee the quality of our finished products (dry wood 10 to 12%, 1st choice). It is PEFC/FSC certified. Our production unit is also PEFC/FSC certified, guaranteeing use of wood harvested from sustainably managed forests in our Laudescher Process Bois product ranges. (Plant certification no. BV/CdC/6004780 for PEFC and no. BV-COC-004780 for FSC). The wood used to manufacture Lauder LINEA Pine, Douglas Fir, Oak and Red Cedar products is durability class 3 as defined in standard EN 335-2.

## Maintenance

Keep free of dust. Lauder LINEA panels must not be cleaned with detergents or water-based products under any circumstances.

## Environment - Health

Laudescher Process Bois panels produce little waste and are recyclable. They allow excellent air circulation for improved ventilation and a healthier environment. Lauder LINEA panels have been issued with an Environmental and Health Declaration Datasheet validated by the AIMCC and compliant with standard NF P01-010. An EPD (Environmental Product Declaration) is in the process of being created as defined in standard EN 15804.

## Storage

Products in the Lauder LINEA range must be stored flat, in premises with constant indoor humidity sheltered from water and blown air heating. Products in the Lauder LINEA range must be stabilised in the destination premises for at least 48 hrs prior to installation.

# Performance and conformity

## Panel reaction to fire

- B-s2,d0 as defined in standard EN 13501-1 report no. 12/RC-13
- D-s1,d0 untreated wood as defined in standard EN 13501-1

## PEFC

PEFC certification  
no. BV /CdC/6004780

## Formaldehyde release

E1 as defined in standard EN 717-2

## Indoor air quality

VOC  
A+ and A as defined in ISO 16000-3, 6, 9 and 11 French, German, Belgian regulations ; Blue angels labels, LEED, Breeam, etc. *(Report on request)*

## Sag resistance

The references in the Lauder LINEA range are mainly classed 1/C/50N/m<sup>2</sup> in conformity with standard EN 13964. Some references are classed 2/C/50N/m<sup>2</sup> (4.2.4 and 4.2.1)

## Humidity resistance

For high indoor humidity buildings, use of class 3 wood. Risk classes as defined in standard EN 335-2. However, it is important to differentiate between high indoor humidity buildings and those with corrosive environments. A different finish will be required depending on the application. The Lauder LINEA range can be installed outside, in areas sheltered from water, using class 3 wood.

## Wall cladding installation

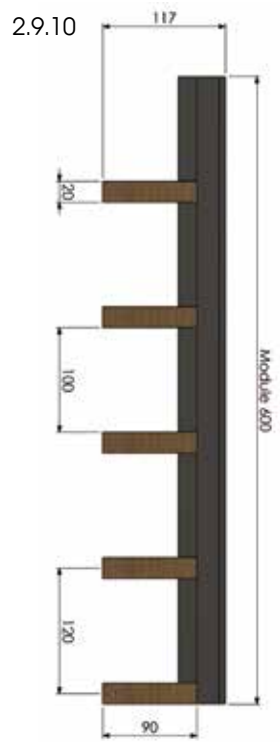
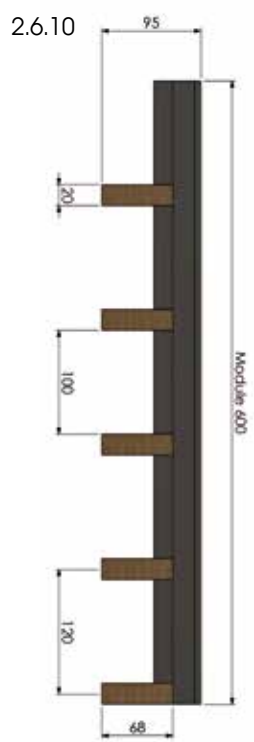
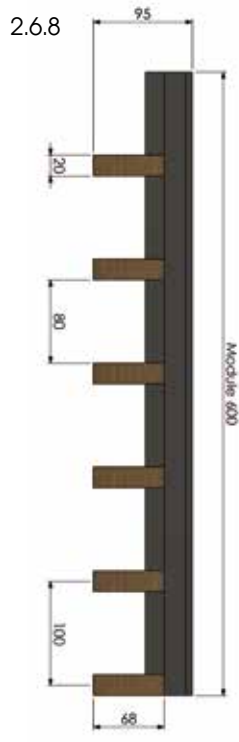
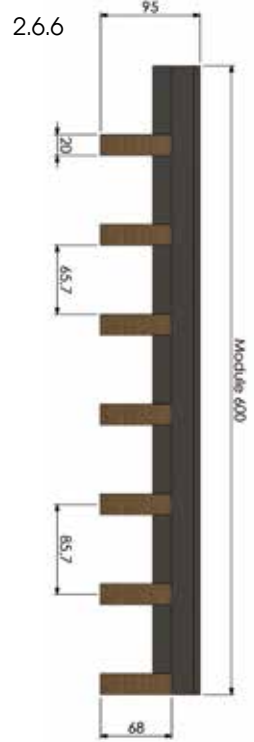
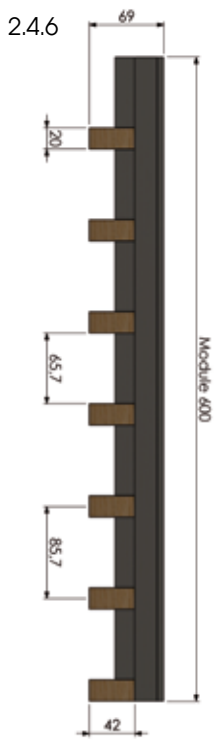
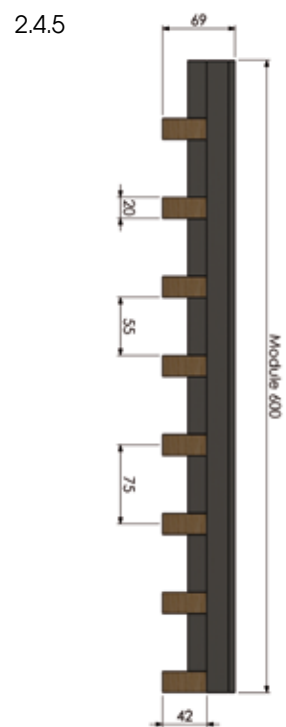
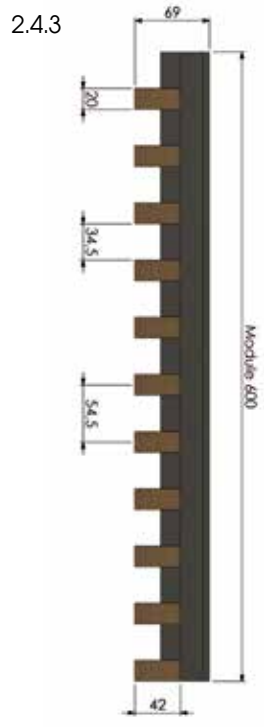
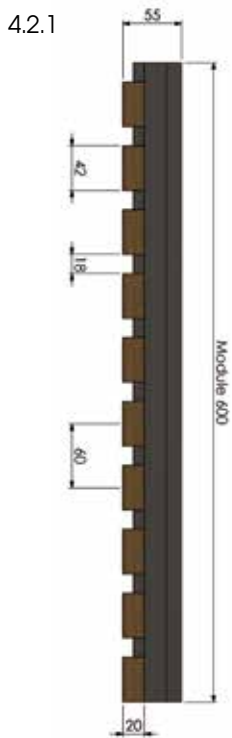
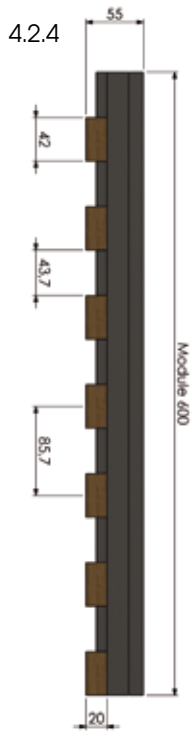
The panel design of the external wall cladding makes it easy to mount and adaptable to each application. The cladding is mechanically fixed directly onto a separate framework, according to the manufacturer's recommendations and countries building regulation installation guidelines or similar (DTU 36-2 France)

## Acoustic performance

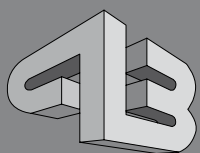
Sound absorption is measured as defined in standard ISO 354. Acoustic data is calculated as defined in standard ISO 11654. Acoustic performance class from A to D depending on the average void area of the products. Performance obtained with insertion of 120 Kg / m<sup>3</sup> rigid mineral or stone wool acoustic tiles with black fleece facing (600 x 600 mm format; 20 or 22 mm thick)

# Lauder LINEA product references

Modular dimensions: 1880 x 600 mm and 1265 x 600 mm



Non-contractual document - AFCP - +33 (0)4 50 60 63 40



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