40.40.85 U

Facade

Lauder

PAREA

PROCESS BOIS
LAUDESCHER

General performance

Industrial manufacturing process

Rebated using halved joint assembly guaranteeing perfect hold of the linear panel.

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, guaranteeing that the wood and wood-derived products used to manufacture Laudescher Process Bois panels (Plant certification no. BVCdC /6004780 for PEFC and no. BV-COC-004780 for FSC) come from sustainably and responsibly managed forests.

Environment - Health

Laudescher Process Bois panels produce little waste and are recyclable.
They allow excellent air circulation for improved ventilation and a healthier environment.
Laudescher Process Bois linear 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.

Performance and conformity

Installation

The panel design of the Lauder PAREA references makes it easy to mount and adaptable to each application. It is installed with external wall insulation on masonry or timber-framed buildings, and can be mounted directly on masonary or cladding sheet with specific frame.

Tests are conducted in an approved laboratory on the following elements :

- Wind load resistance and watertightness under dynamic pressure / negative pressure as defined in standards EN 12154 and EN 12155
  Report nos : CLC 11-26031590 and CLC 11-26032237

- Seismicity as defined in CSTB paper no. 3533 Report no : EEM 11 26034300

Cf : Installation Lauder Parea

Outdoor resistance

Use of class 3 wood. Risk classes as defined in standard EN 335-2. According to standard FD P 20-651, life cycle is from 50 to100 years in more than 85% of France.

Panel reaction to fire

Euroclass D-s1,d0 as defined in EN 13501-1
report no : 13/RC-15

Certification

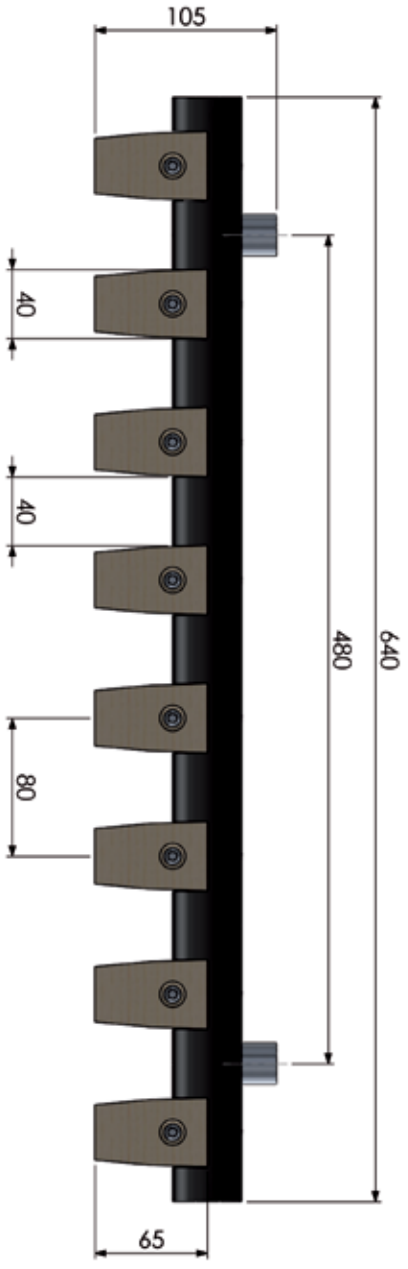
PEFC no. BV/CdC/6004780
FSC no. BV-COC-004780

Technical specifications of Lauder PAREA product reference 40.40.85 U

Product references		40.40.85 U
Slat section	Facing side	40 mm
	Thickness	65 mm
Spacing between slats		40 mm
Slat distance		80 mm
Total thickness		105 mm
Average void area		50%
Reaction to fire		D-s1, d0
Installation system		Direct mechanical fixing with Laudernox screws

Weight in Kg/m²	40.40.85 U
Pine	19.1
Larch	20.7

Lauder PAREA 40.40.85 U



Description

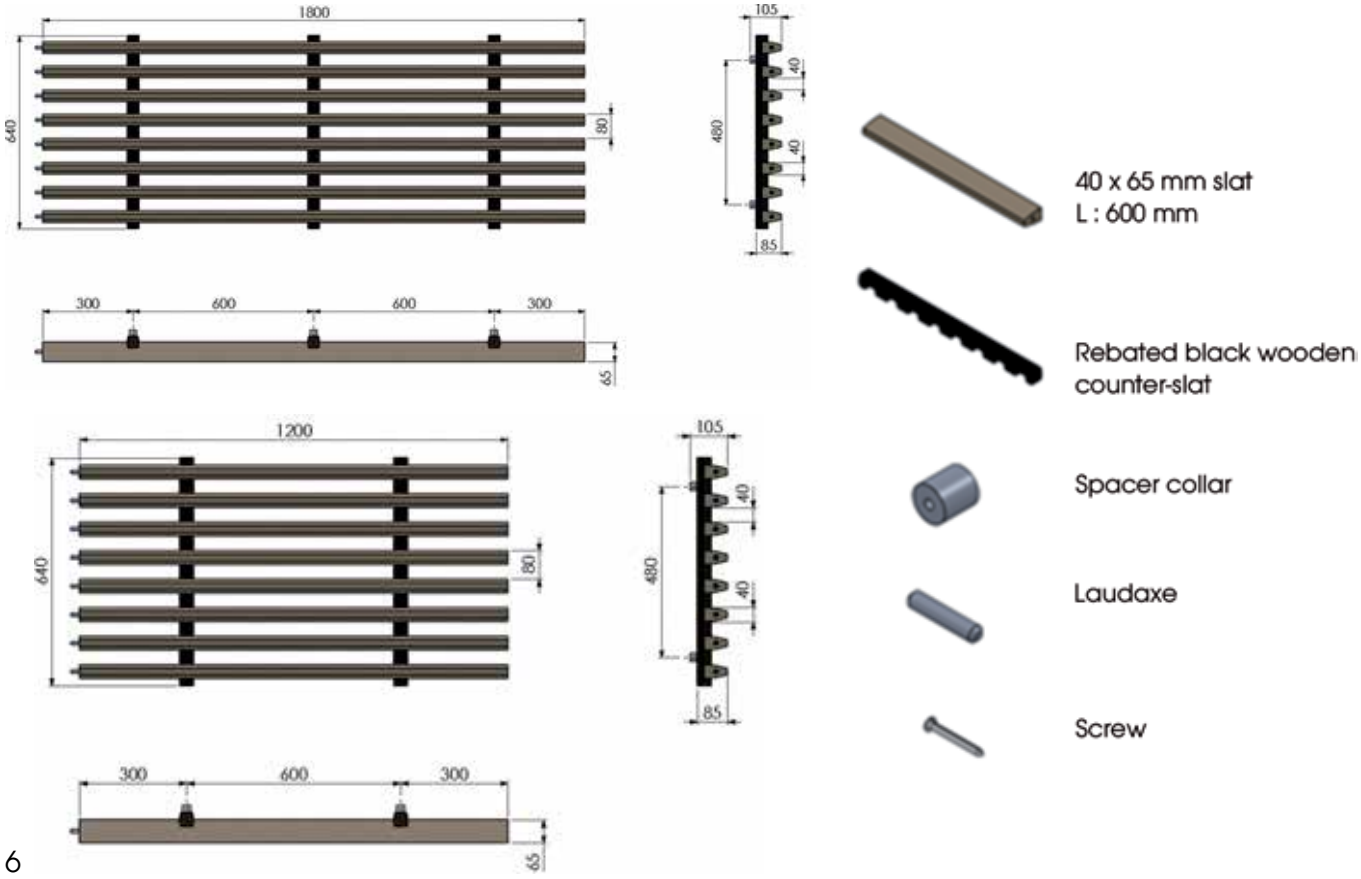
Form : linear
Openwork panel composed of solid wood slats
Average void area : 50%
Application : Outdoor cladding

Wood species :
- Larch
- Pine

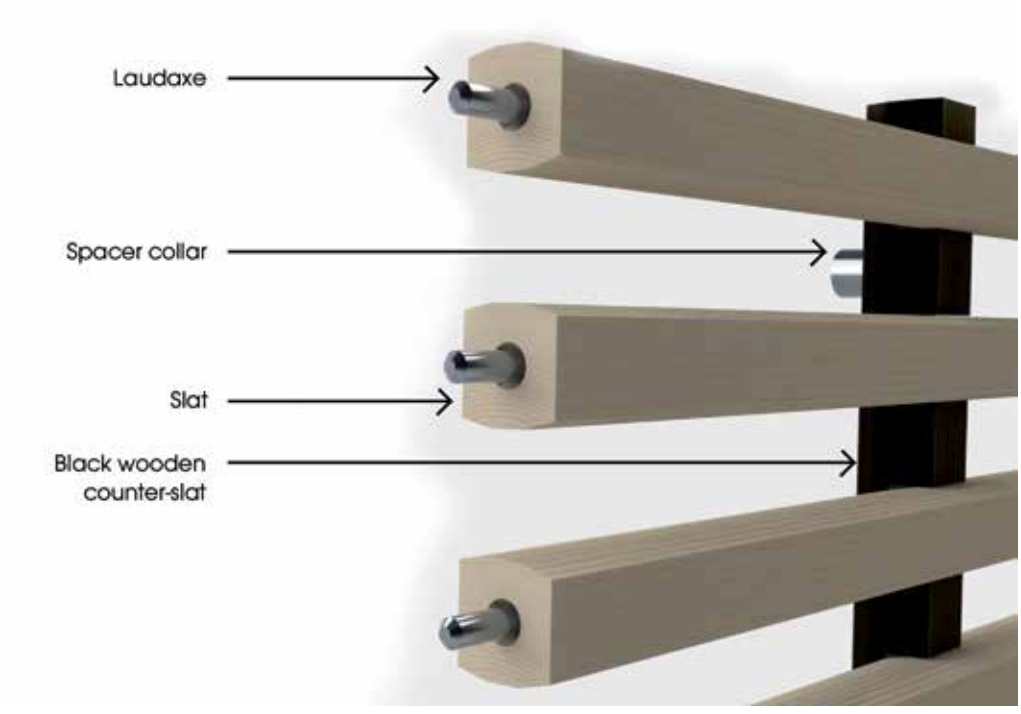
Finish :
- Natural for Larch
- Wax Color for Pine

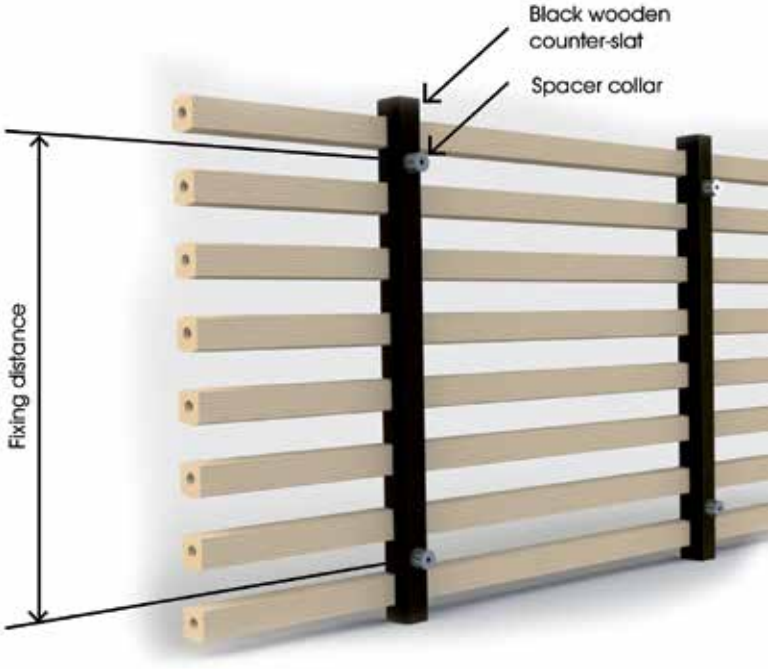
Slat section : 40 x 65 mm
Facing side : 40 mm
Thickness : 65 mm
Spacing between slats : 40 mm
Rear black wooden counter-slats :
40 x 40 mm at distance of 600 mm
Total thickness :
105 mm with spacer collars
Reaction to fire :
D-s1,d0 as defined in EN 13501-1

Adjustable panel system
and finishing kit comprising :
- Assembled panels with Laudaxes and spacer collars, 1800 x 640 mm format
- Assembled panels with Laudaxes and spacer collars, 1200 x 640 mm format
- 600 x 640 mm finishing kit, non-assembled, comprising 8 slats 600 mm in length, 1 rebated black wooden counter-slat 640 mm in length, 8 screws, 8 Laudaxes, 2 spacer collars



Panel details





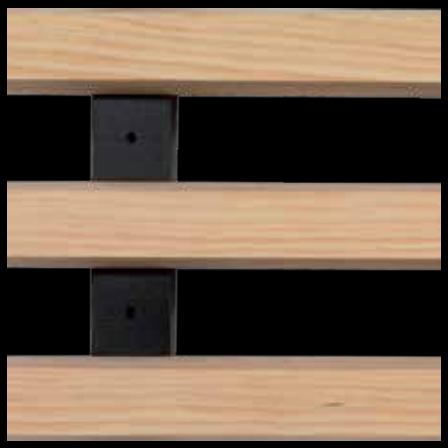
Wood Species and Colour Chart

Wood is nature's ultimate material : Lauder PAREA panels are made from natural wood. The wood species colour chart and Wax Color tints are therefore provided for information purposes only. Each panel is unique and may have surface irregularities which guarantee that real wood, a natural and living material, has been used. The natural finish wood species used in Lauder PAREA will turn naturally grey, light grey, anthracite or silver-grey over time depending on the wood species chosen, the effect of UV light and its exposure to rainwater.

Wood is a material largely made up of polysaccharides (cellulose and hemicellulose) and lignins that will be degraded through exposure to the photons in ultraviolet light. It is this photodegradation of the lignins, further accentuated by water, that is responsible for changes in the colour of the wood. Woods installed outside without any physical protection are subject to greying. Over time, this phenomenon leads to a change in the original colour of the wood which tends to become grey. In addition, depending on the geographical location, climatic variations, the orientation of walls and their exposure to water (rainwater, discharge from guttering, etc.), the colour of the wood in the cladding will assume random shades at varying speeds. In other words, an external wall with high UV and rainwater exposure will grey faster than a more sheltered wall. In addition, depending on the wood species chosen, the natural finish may turn light grey, anthracite grey or silver-grey over time. The photos of the wood species shown below are therefore not contractually binding ; as a result, Laudescher industrie cannot guarantee that the wood cladding on a project will turn a specific colour after ageing.

Solid wood

Pine
Pale uniformly coloured wood, small knots, clearly visible grain patterning, straight fine grain



Pine

Larch
Orangey blonde wood, medium to large knots, straight medium grain, clearly visible and marked grain patterning

Larch

Wax Color tint finish

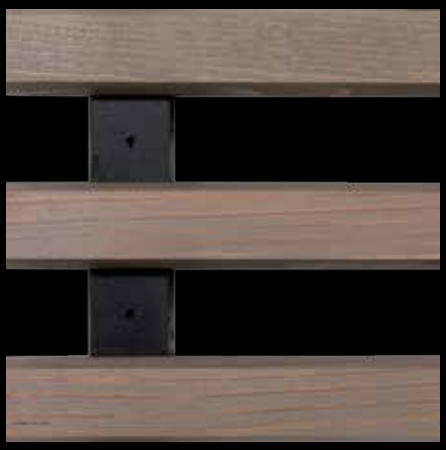
Care for and enhance the material through factory application of the Wax Color process. A wide range of wood tone colours for a durable, impressive, natural and environmentally-friendly finish. Fungicidal, anti-UV and non-film forming properties with 10-year guarantee

Maintenance

For the Wax Color finish : maintain wood by applying the Wax Color finishing product every 5 to 6 years after cleaning the surface.
This operation can only be carried out by qualified companies that have received training and are approved to do so by Laudescher industrie.
For the " untreated natural " finish : no maintenance required. The wood will turn adopt a naturally grey shade over time.

Light wood

Oak



Grey

Black

Chocolate

Built-up cladding installation systems

Horizontal installation on masonry with external wall insulation

Vertical installation on masonry with external wall insulation

Horizontal installation on timber-framed buildings

Vertical installation on timber-framed buildings

Cladding installation systems

Horizontal installation on sealed masonry

Vertical installation on sealed masonry

Horizontal installation on metal sheet

Vertical installation on metal sheet

Cutting to size, options and accessories

The panels in the Lauder PAREA range can be easily modified for adjustment to the site.

Movable black wooden counter-slat :

The rear black wooden counter- slats of the panel can be moved, allowing adaptation to the requirements of the project. With a standard distance of 600 mm for flexible installation on a project using external insulation, the distances of the black wooden counter-slats can be modified on site. Simply unscrew the black wooden counter-slat from the slats, position in the required location and screw back down. NB : the maximum permitted distance between black wooden counter- slats is 1000 mm.

Adjustable panel :

The Laudescher panels in the Lauder PAREA range are designed for optimum flexibility on site. The standard offer consists of 2 formats in 1800 and 1200 mm lengths together with a finishing kit 600 mm in length. All of these formats can be cut to size both lengthways and widthways.
Under no circumstances should slats be left with an overhang of more than 150 mm when not held in place by a black wooden counter-slat as they could move out of parallel over time.

Cutting a panel to length

1. Determine the cutting location

2. Remove the black wooden counter-slat

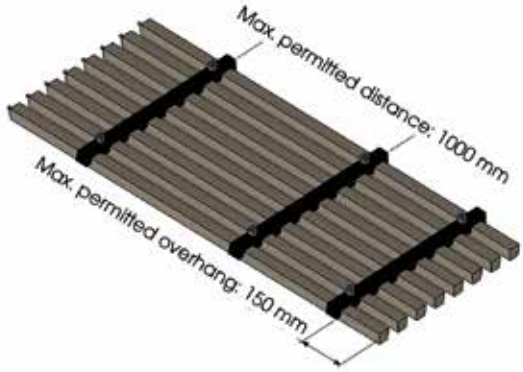
3. Remove the crosspiece

4. Refix the crosspiece

5. Crosspiece moved

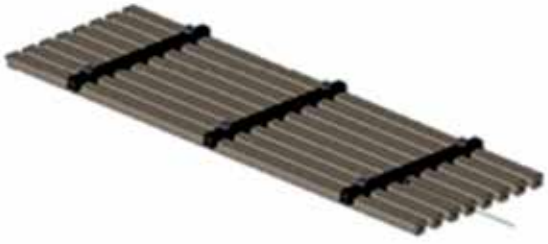
6. Cut the panel with a circular saw

7. Panel ready for installation

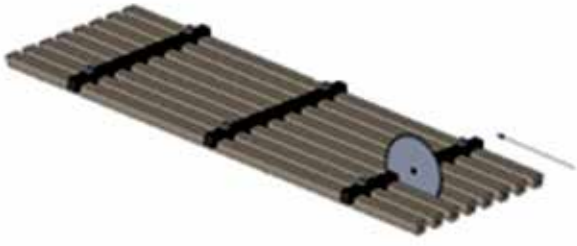


Cutting a panel to width

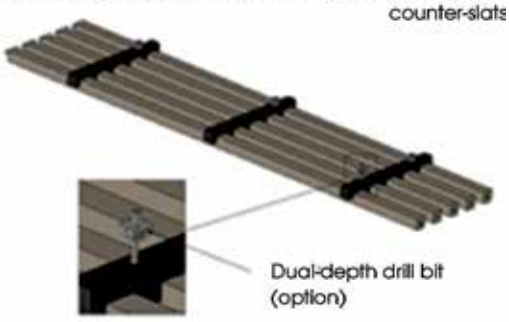
① Determine the cutting location



② Cut the panel following the line of the framework



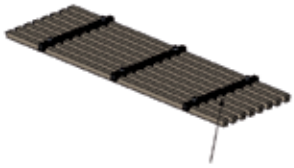
③ Creation of new collar drill holes on the 3 black wooden counter-slats



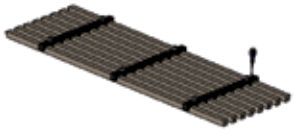
④ Attach the collars and the panel is ready for installation

Cutting to length at an angle

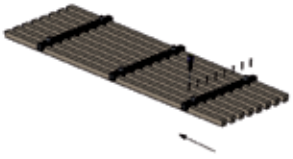
1. Determine the cutting location



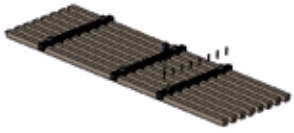
2. Remove the black wooden counter-slat



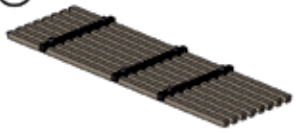
3. Move the counter-slat



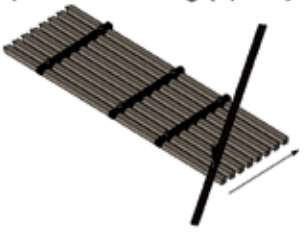
4. Refix the counter-slat



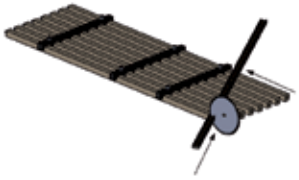
5. Counter-slat moved



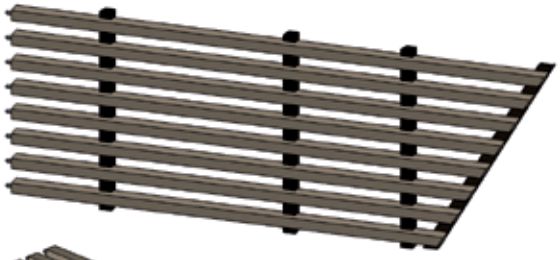
6. Position the profile for cutting (option) and screw down

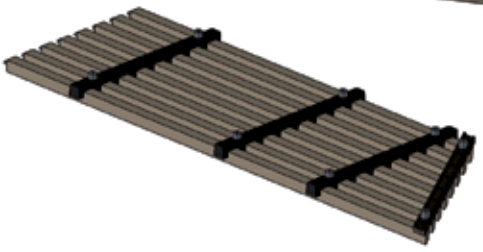


7. Cut the profile and panel and add the collars to the profile (option)

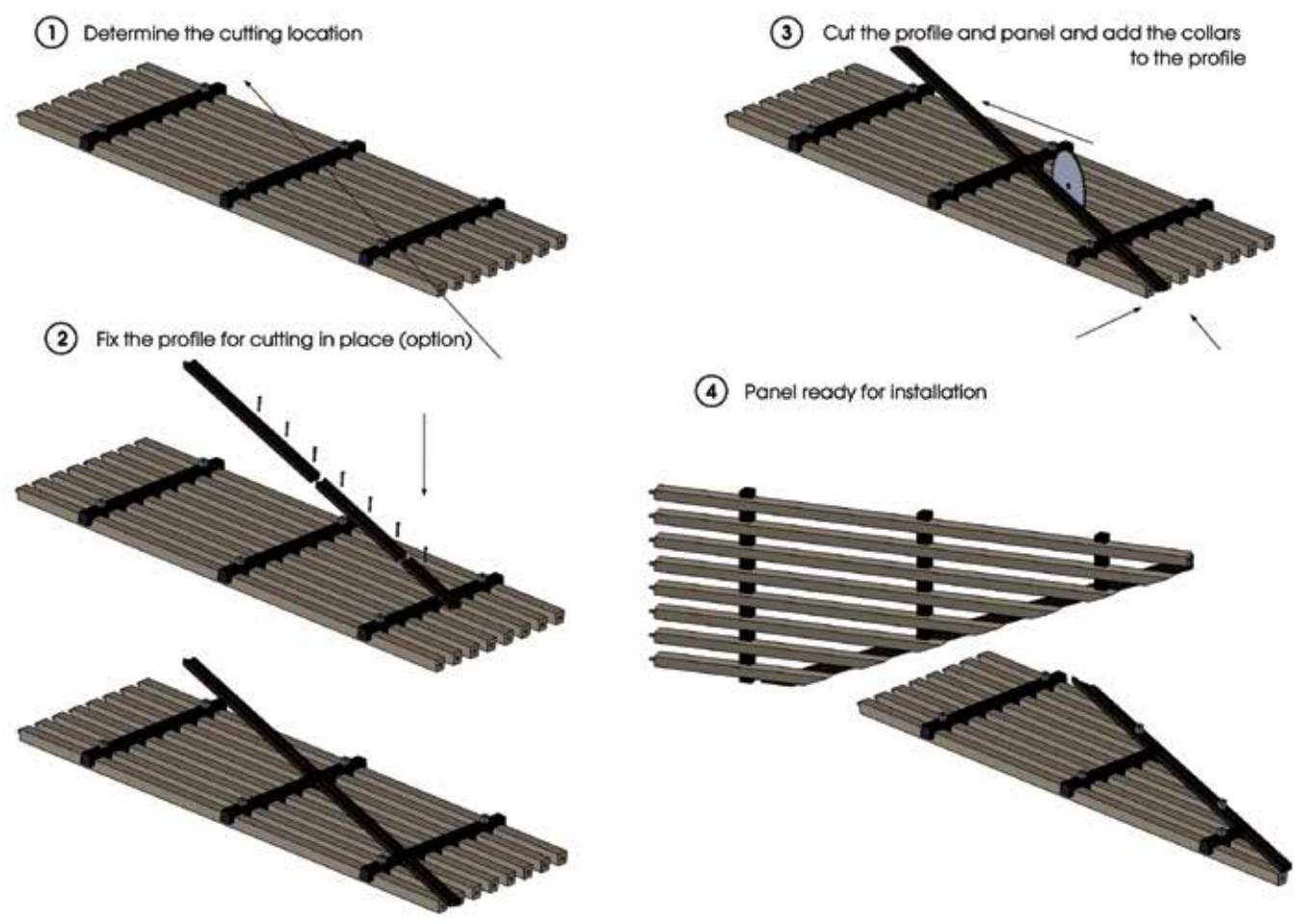


8. Panel ready for installation

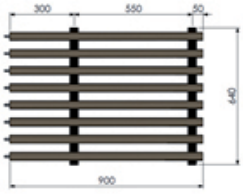




Cutting to width at an angle



Options and accessories

Start/end panel	This panel can be used to start and finish cladding without moving black wooden counter-slats	
Additional black wooden counter-slat	The additional counter-slat option avoids the need to cut panels to obtain a maximum overhang of 150 mm, and can be used to adapt to opening frames and reconstitute or reuse panel offcuts (supplied with the 2 collars and assembly screws)	
Additional slat	From dressing doors to finishing profiles, the additional slat option can be used to complete a project with profiles identical to the panels for a good finish (supplied with Laudaxe)	
Square corner finishing profile 40 x 40 mm	Can be used to finish external corners for alignment with the panels. Sheet bending not supplied as shown in attached plan	
Profile for angled cutting	The profile for angled cutting can be used to cut panels at an angle while maintaining the positioning of the spacer collar	
Kit of 10 additional Laudaxes	The kit of 10 additional Laudaxes can be used to recreate panels with offcuts generated on the site or replace a lost Laudaxe	
Kit of 10 additional spacer collars	The kit of 10 additional spacer collars can be used to recreate panels with offcuts generated on the site	
Metal Laudernox <2.5 mm	Screw for fixing panels into a metal framework. Screw recommended and essential in the context of the Lauder PAREA Technical Notice. Black domed head – Torx 25 size. Ø5.5 x 90 mm. A4 stainless steel	
Wooden Laudernox	Screw for fixing panels into wood. Black domed head – Torx 25 size. Ø6 x 110 mm. A4 stainless steel	
Dual-depth drill bit	Can be used to recreate the collar drill hole at the back of the black wooden counter-slat	
Finishing option	Finishing tin for retouching cut slats and black wooden counter-slats	

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