

KERAMA

AURA CLADDING

INSTALLATION GUIDE







KERAMA

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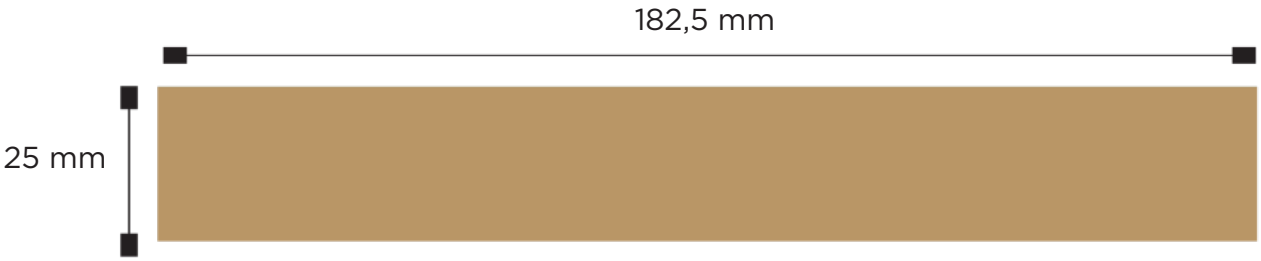
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IMPORTANT: THE IMAGES IN THIS INSTALLATION GUIDE ARE INTENDED TO PROVIDE A GENERAL IDEA OF THE PRODUCT AND ARE FOR ILLUSTRATIVE PURPOSES ONLY.

View the warranty information on our website.

MEASUREMENTS

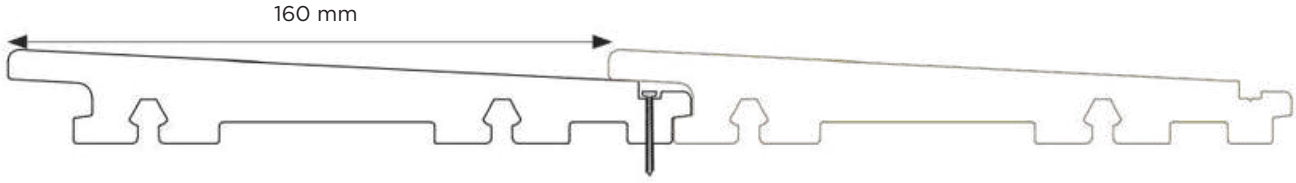


2. DIMENSIONS & WEIGHT

Length	3600 mm
Width	182.5 mm
Thickness	25 mm
Working Width Screws	160 mm
Working Width Click System	165.5 mm
Weight per board	~7,47 kg

SCREWS

Fixing with screws on the specially designed or indicated fixing points of the facade boards.

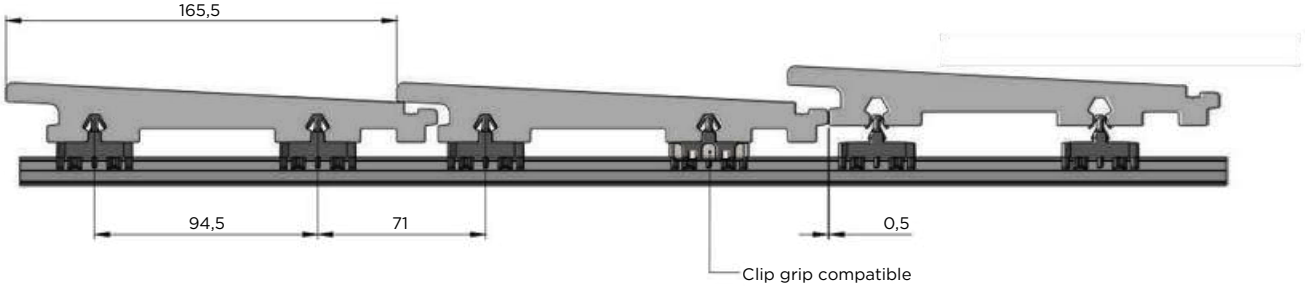


INSTALLATION METHOD: SCREWED

Working width	160 mm
Surface per board	0.5760 m^2
Planks per m^2	~1.736 ~12.96
Weight per m^2	kg/m^2

CLICK SYSTEM (GRAD OR KERALOC)

Our handy click system, which is used on all our AURA boards, ensures quick and seamless installation without any additional tools.



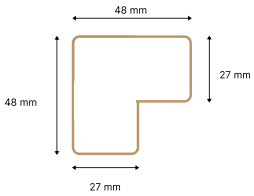
INSTALLATION METHOD: CLICK SYSTEM

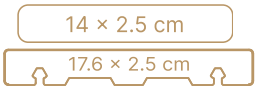
Working width (incl. clip space)	165.5 mm
Surface area per board (incl. space)	0.596 m^2
Planks per m^2	~1.678
Weight per m^2	~12.53 kg/m^2

ITEMS



KERAMA AURA BOARDS





KERAMA FINISHING BOARD & CORNERS

Internal & external corner 48x27x3000mm
Internal & external corner 38x20x3000mm
Finishing board 140x25x4880mm
Finishing board 176x25x4880mm



STAINLESS STEEL SCREWS

3.5x35mm
3.5x40mm



ALUMINUM CORNER LINES & PROFILES

Corner Line
Symmetrical Outer Corner Profile
Internal Corner



GRAD® CLIP



ALUMINUM START & VENTILATION PROFILES

Ventilation profile
Start profile



GRAD RAIL

Different sizes available



EPDM RUBBER



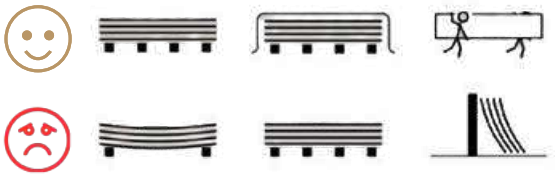
KERALOC® CLICKCLIP



KERALOC® STEEL PROFILE

35x25x4000mm
35x25x2395mm

10 IMPORTANT STEPS





1 STORAGE

- It is essential that the boards are stored horizontally on a flat surface.
- Ensure that the material at the work site or construction site is covered with a **white, ventilated rubbe**r to protect it from direct sunlight.
- Always remove the boards from under the protective covering and install them **immediately**. If the boards warm up in the sun before installation, they may shrink as they cool, which can cause permanent gaps.
- Do not install the boards **in extreme temperatures**, such as above 30°C or in frost.

2 TOOLS

- Mitre saw
- Spirit level / laser
- Electric screwdriver / tacker



Figure 2

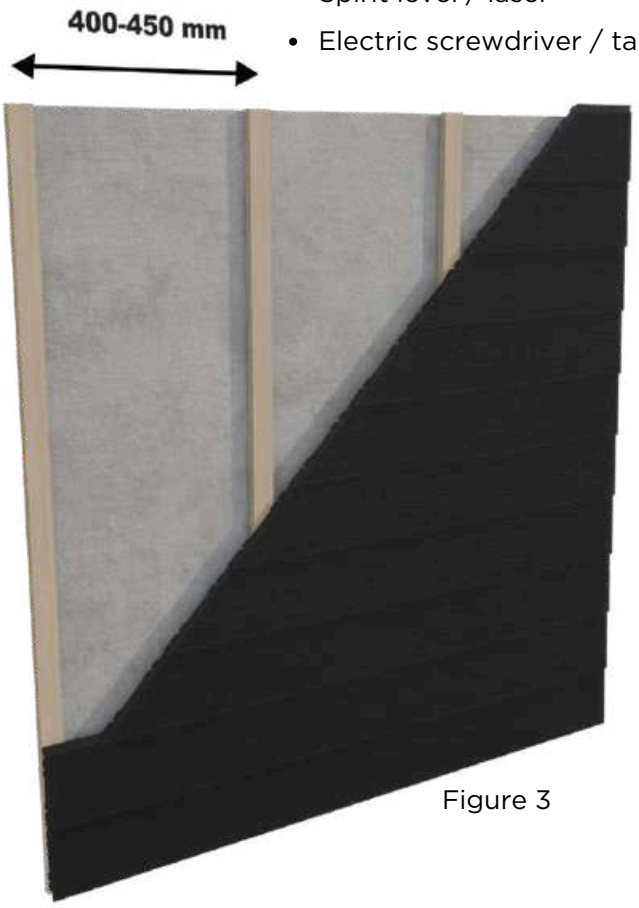


Figure 3

3 REAR STRUCTURE

- A double batten (cross-lath installation) is **required** when installing the boards **vertically**. For horizontal installation, a single batten is sufficient.
- Install the slats with a center-to-center distance of **400 to 450mm.**
- The ends of two boards can be attached to the same batten, provided there is sufficient space. (When attaching the ends, allow a **minimum spacing of 15 mm** for the screws.)

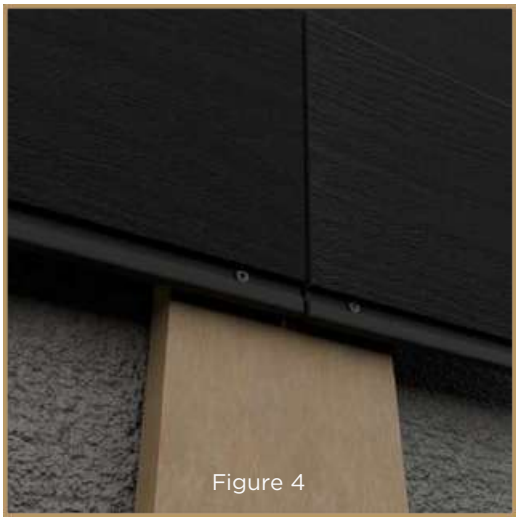


Figure 4

4 CUSTOMISATION

- Each board must be cut to size before installation. Always cut with the visible side of the plank facing down, see **figure 5**.
- Sawing must be carried out accurately in order to achieve neat end joints.

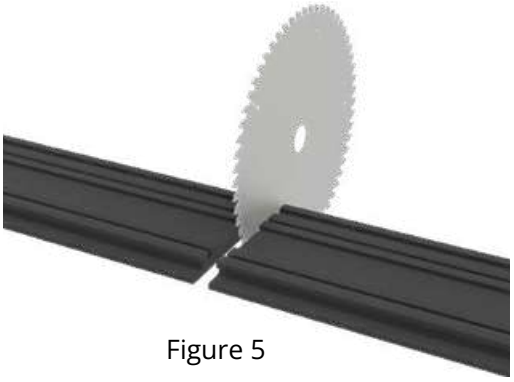


Figure 5

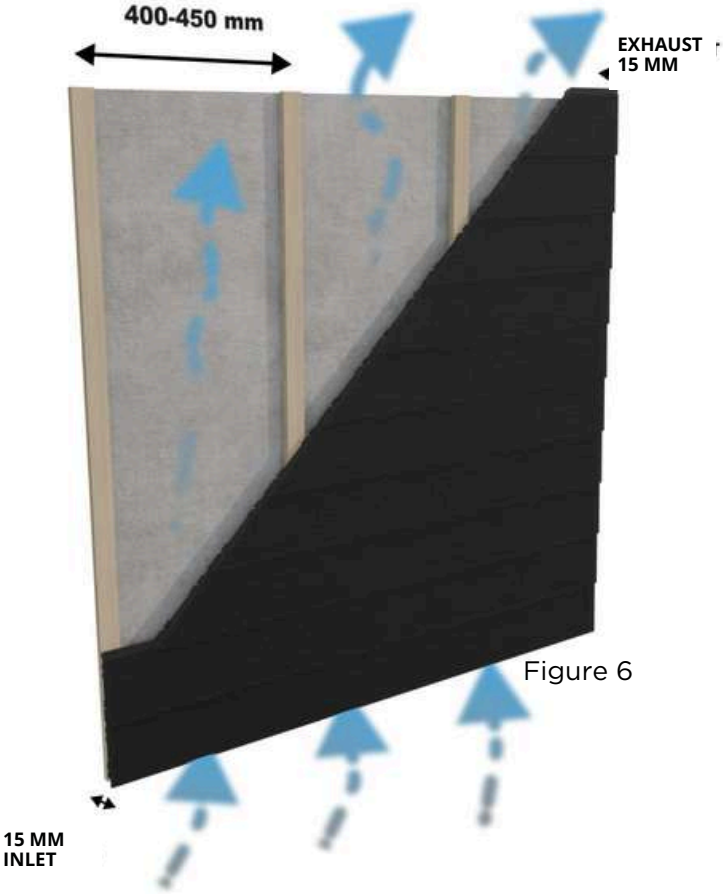


Figure 6

5 VENTILATION SPACE

- It is important that the material can ventilate properly, so ensure there is sufficient space for air to circulate freely, see figure 6.
- Install 150 mm above ground level, and leave a 20mm distance between boards, sheet metal, walls etc.
- The ventilation space (batten thickness) must be at least 28 mm.
- Always ensure there is a clear ventilation opening at the bottom (inlet) and top (outlet) of the facade. This opening must be at least 15 mm.

6 ORIENTATION OF THE BOARDS

- **Horizontal installation:** make sure that the tongue always points upwards and the groove where the lip is slid into is facing downwards, see **figure 7.**
- **Vertical installation:** a double framework (cross-batten processing) is mandatory



Figure 7

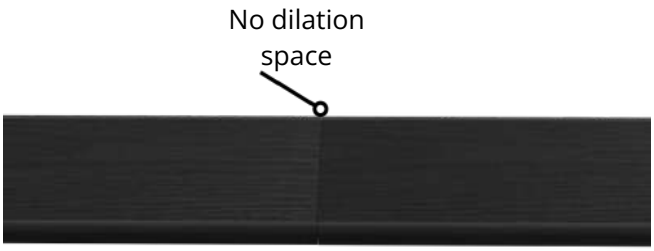


Figure 8

7 EXPANSION

- Under normal circumstances the planks are mounted cold against each other, without any expansion space at the end edges **(Figure 8).**
- **Important installation conditions**
- It is strongly discouraged to install the boards at temperatures below **0°C** and above **30°C.**
- Remove the boards from the pallet and **install them as quickly as possible** to prevent them from heating up in the sun.
- Do not install boards that have already been heated by **direct sunlight.**

8 FASTENING

1. Screws

- Screw the board in place to prevent cracking. Don't overtighten the screw after pre-drilling.



Figure 10

2.Click System

- Align the groove of the Aura board with the clips on the Grad rail. Press the plank firmly until it clicks into place. Check that the board is securely fastened along its entire length.



Figure 11

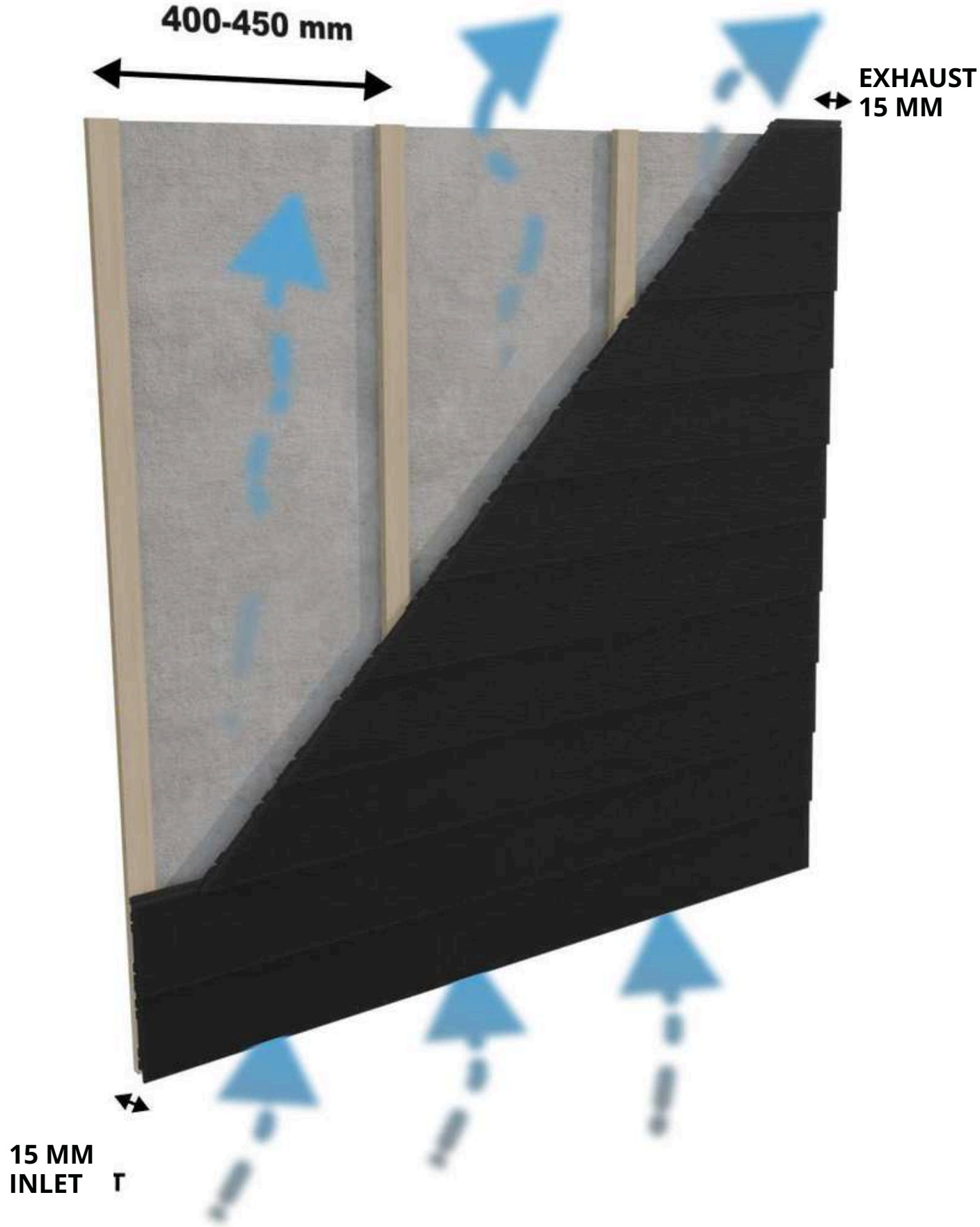
9 FINISHING

- We recommend our finishing profiles with wood grain (Kerama) or aluminium profiles.
- All options are described in this manual.

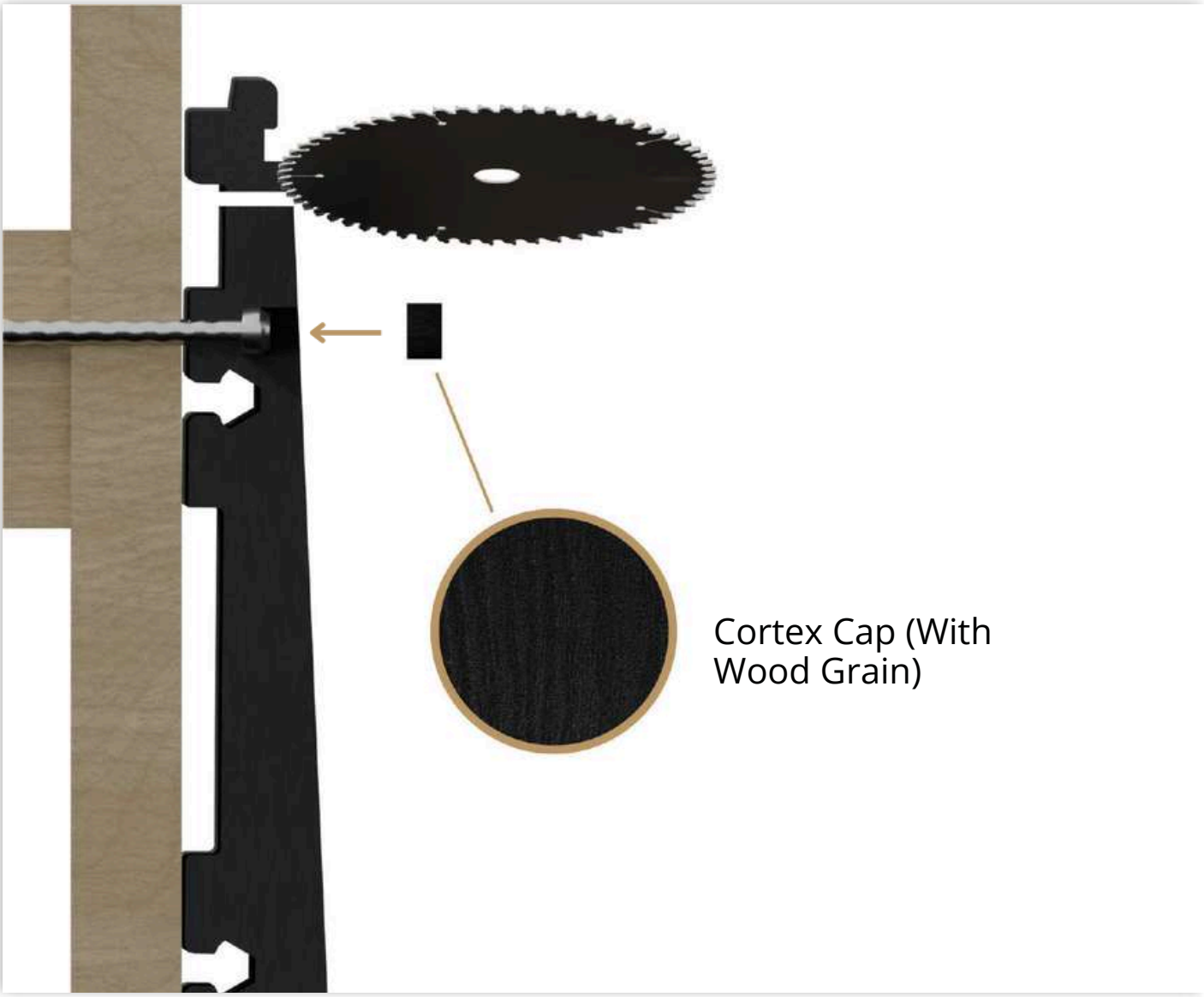
10 MAINTENANCE

Kerama boards guarantee UV resistance without visible discoloration. The material may become dirty over time. Cleaning can be done with water and a mild detergent; careful use of a pressure washer is also possible.

3 - GENERAL OVERVIEW



CORTEX FINISH



COLOUR MATCH SCREW FINISH FOR A SEAMLESS LOOK

- This finishing method uses screws with a coloured head that matches the color of the cladding boards. By supplying a matching colour for the screw head, the fastening is barely noticeable. This creates an aesthetically pleasing and sleek finish, with the fastening points subtly concealed within the facade. This method offers a simple and effective way to achieve a neat finish.

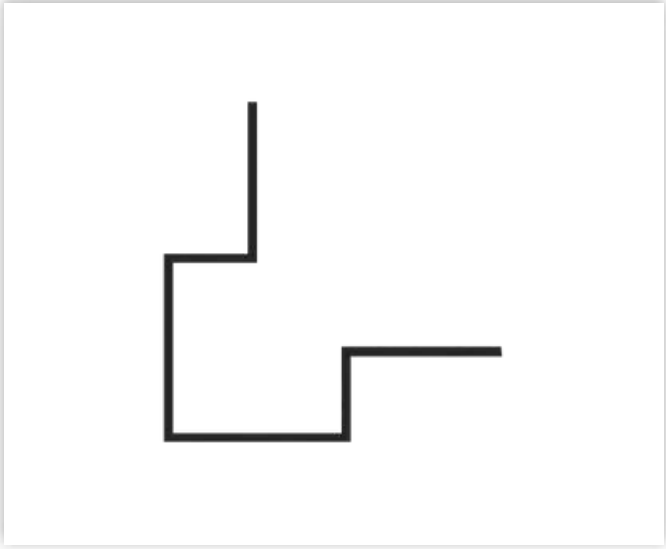
- For an even more refined detailing, the tongue of the board can be sawn off.

OUTER CORNER PROFILE

WITH ALUMINIUM OUTER CORNER PROFILE



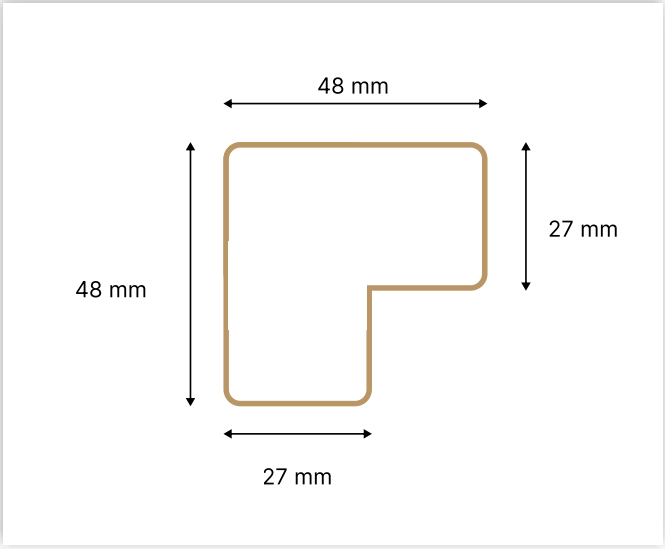




WITH KERAMA OUTER CORNER

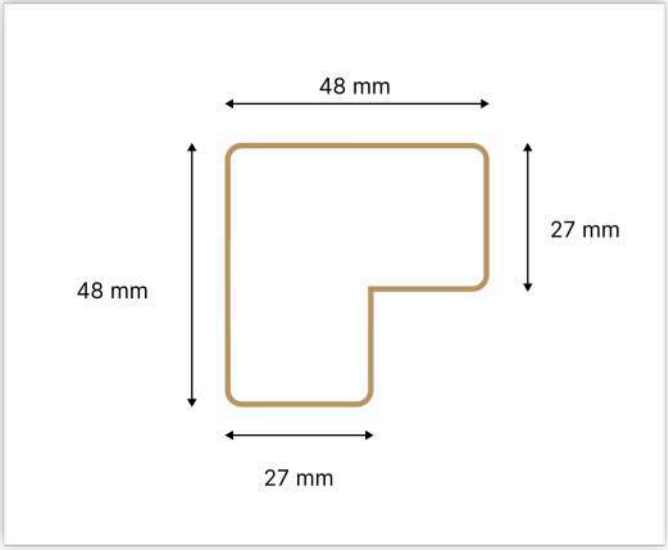


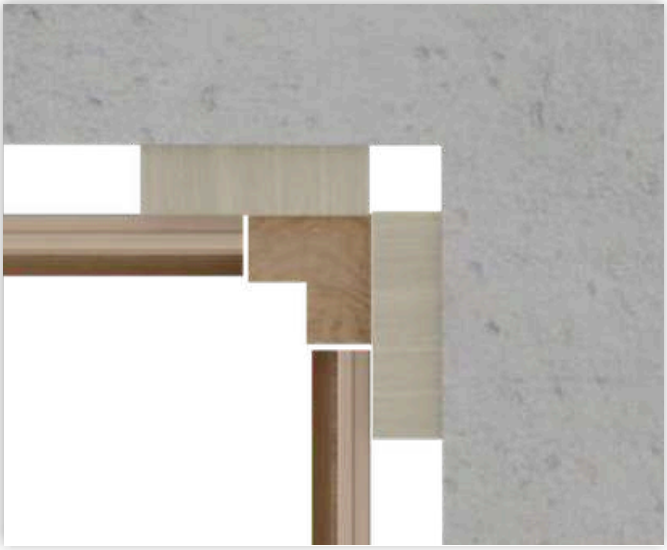




KERAMA INNER CORNER

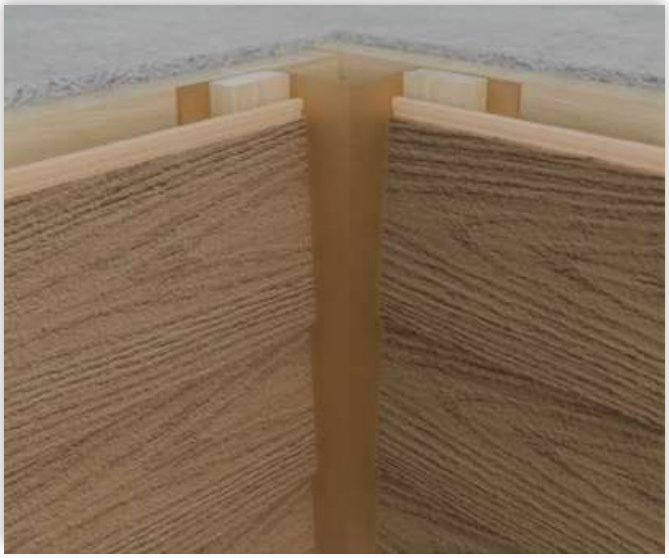




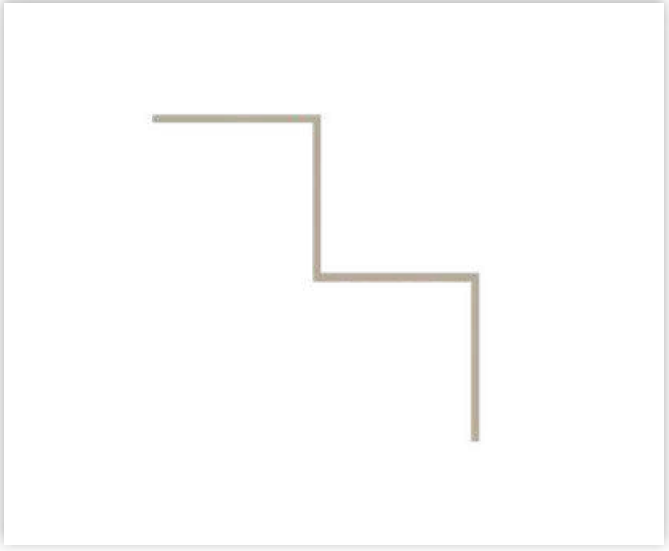


ALUMINUM INNER CORNER

WITH INNER CORNER PROFILE







WITHOUT INNER CORNER





ALUMINUM INNER CORNER

- The aluminum internal corner profile is designed exclusively for vertical corners. Depending on the profile type, the corner can be accentuated or minimally emphasized. If the profile connects to horizontal seams, an EPDM rubber seal is recommended.

KERAMA FINISHING OPTION I



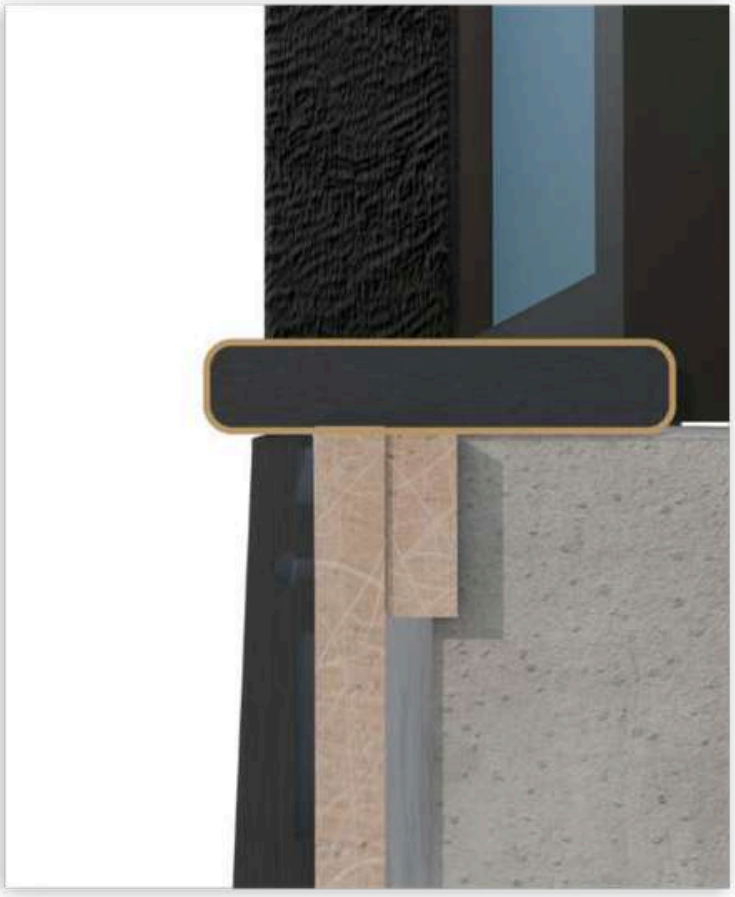
Kerama Finishing Board

FINISHING PROFILES FOR A PERFECT DETAIL

- Aura cladding's finishing profiles ensure a perfect, detailed finish to your facade.
- They offer a versatile solution for clean corners and seamless window and door frames.
- Available in various shapes for a high-quality result that complements any style.

The Cortex system is also suitable for invisible mounting of finishing boards and corners.

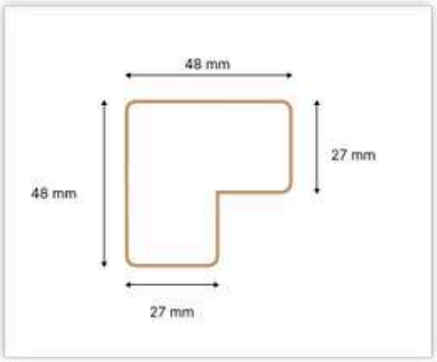




KERAMA FINISHING OPTION II



Kerama Finishing Board



Kerama Inner & Outer Corner

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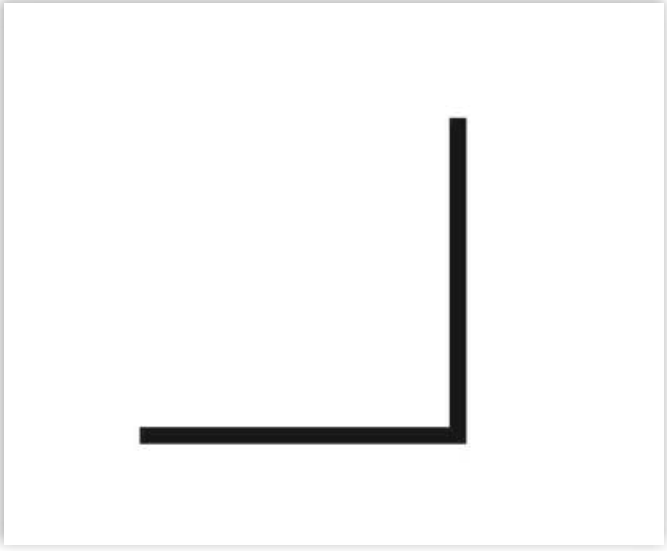


ALUMINIUM CORNER LINE











CORNER LINE

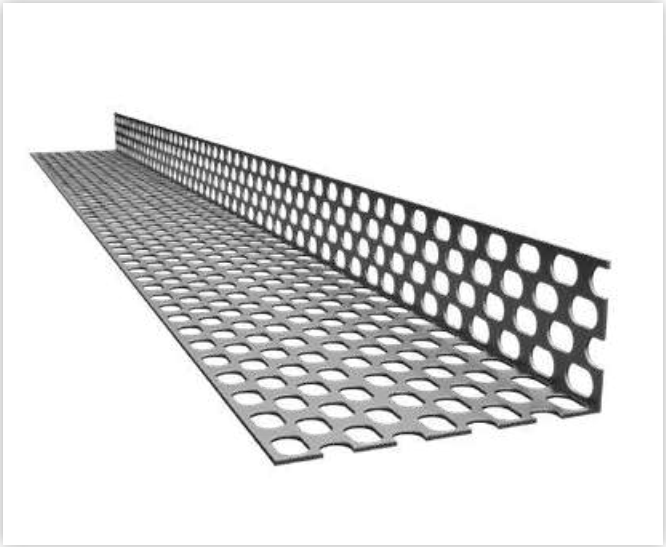
The aluminum corner line is suitable for almost all 90 degree applications.

This aluminium corner profile is also called a corner strip, corner skirting board or L-profile.

INSTALLING THE STARTING BOARD

WITH VENTILATION PROFILE





- This ventilation profile is specially designed to ventilate facades and roofs, while simultaneously preventing animals such as birds, rodents and large insects from damaging the structure.

DIRECTLY SCREWED



OR

WITH CORTEX SCREW + CAP



- Using the cortex screws and caps, the first (lower) ‘Lines’ on the bottom side can be attached out of sight.

REPLACING BOARDS

WITH SCREW



Step 1

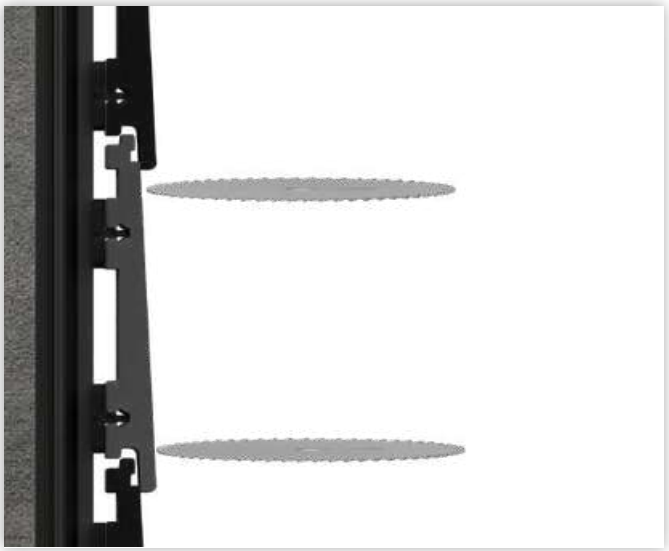


Step 2

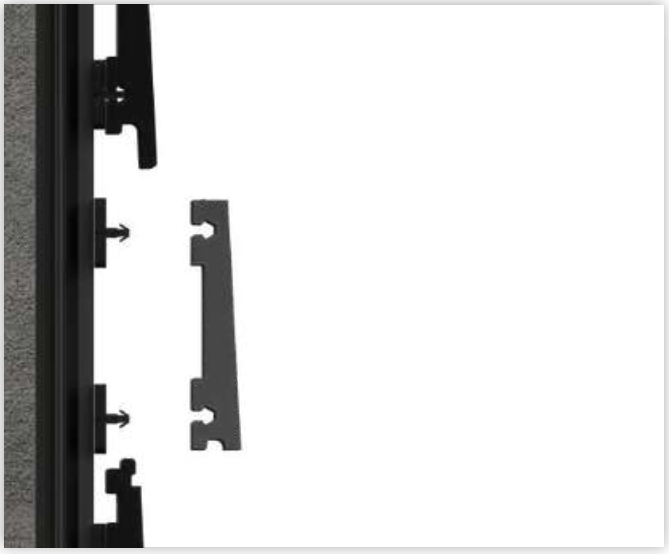


Step 3

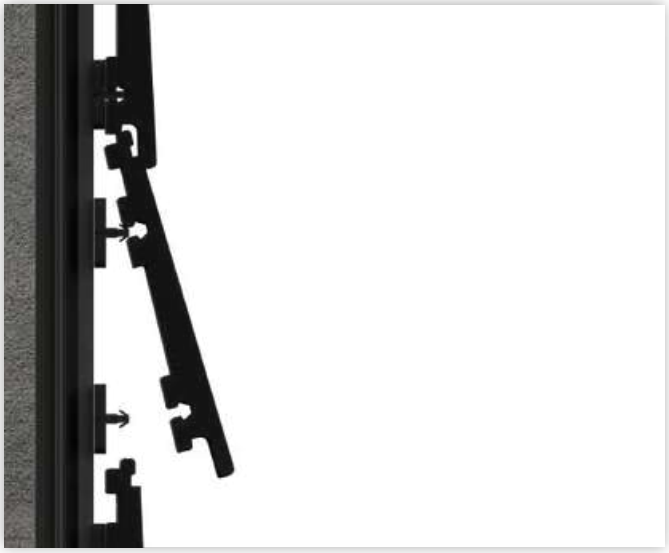
WITH GRAD



Step 1



Step 2 (USE: Grad® : DISMANTLING KEYS)



Step 3

TACKER FASTENING



The specially designed nosepiece is essential for the correct positioning of the tacker, so that you always attach in the right place.

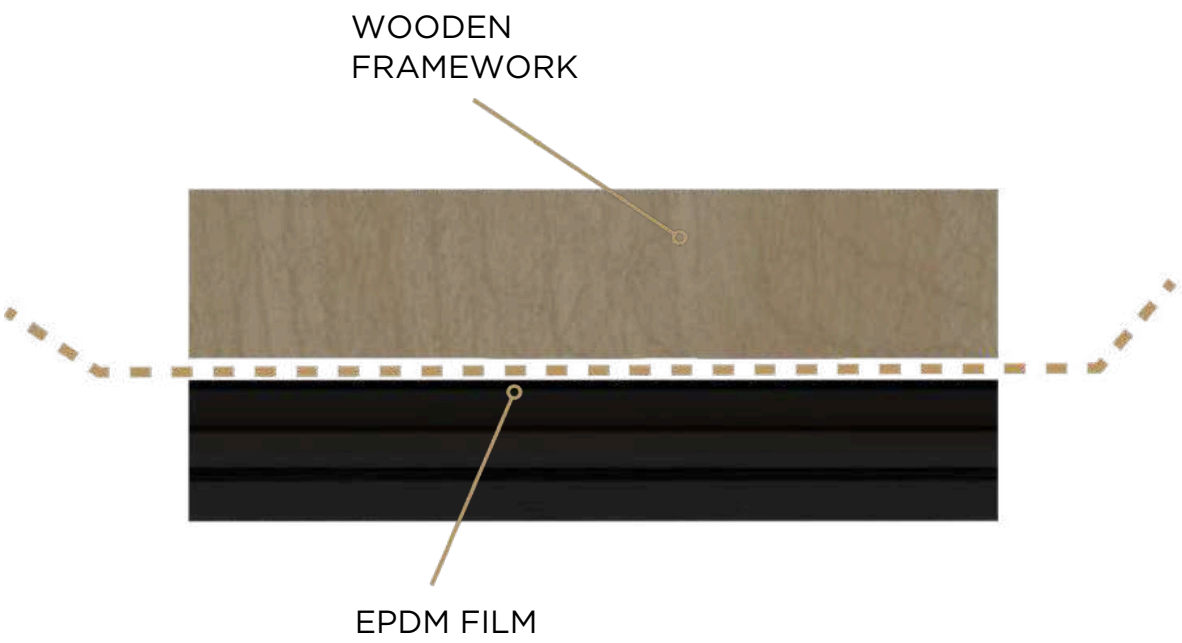


Using a tacker for our cladding significantly speeds up installation compared to using screws. The consistent hammering force ensures consistent nail depth, which is essential for a perfect and professional finish. Moreover, the lightweight design and rubber nose piece make working comfortable while preventing damage to the cladding panels.





EPDM RUBBER



Using EPDM film is a crucial step for a durable and maintenance-free application. This sheeting provides the necessary protection for the most vulnerable parts of the structure.

- Recommended for long-lasting results. The rubber forms a **waterproof and windproof** barrier.
- Protects the wooden support structure. This is essential when using less intensively treated wood types. The EPDM film reduces the risk of moisture corroding the wood.
- Perfect for uneven surfaces. Thanks to its high flexibility, the film effortlessly absorbs irregularities in the wooden frame and ensures a seamless, tight seal.



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