

Installation Guidelines of
evoFLUTETM

SOME IMPORTANT INFORMATION BEFORE YOU START...

evoFLUTE contains natural timber elements, and as you would be aware timber has different natural appearances. To ensure the cladding does look like timber, it may also experience natural variations in each board, and in some instances slight variations in colour, tone and grain.

PRODUCT: Cladding (219x28mm)



- ✓ All instructions must be followed to ensure proper installation. Failure to follow all instructions may void warranty. We suggest using an experienced installer.
- ✓ Provisions for adequate drainage and ventilation must be made along with the installation of a waterproof membrane / waterproofing system prior to the cladding boards being installed.
- ✓ The customer/installer is responsible for inspecting each board for colour, finish, size and other issues prior to installation.
- ✓ evoFLUTE is NOT intended for use as columns, support posts, beams, joist stringers or other primary load-bearing members. All Hualong cladding products must be supported by a code-compliant substructure.
- ✓ While evoFLUTE products are great for re-cladding (removing old cladding planks and installing evoFLUTE on code-compliant substructure), the cladding CANNOT be installed on top of existing cladding.
- ✓ Expansion trims must always be used. All boards and trims must also start and stop on the centre of a batten or stud.
- ✓ Internal walls must be straight and flush prior to installation. Allowance must be made for studs or battens in window reveal sizing.
- ✓ Failure to use stainless steel screws will void your warranty.
- ✓ Failure to provide clearance holes to allow for expansion and contraction will void your warranty.

SUBFRAME INFORMATION

FRAMING AND BATTENING

Battens should be no less than 70 x 22mm. H3 Treated Timber is recommended or metal, spaced at either 450mm or 600mm spans (centre to centre). Please Note: The span should never exceed 600mm. Fixing the cladding board at a span in excess of 600mm centre to centre will void your warranty. Appropriate framing or battening for all trims (around doors & windows) is required. Ensure all frames or battens are flat across the surface (using packers where appropriate).

FIXING

Holes to mount the evoFLUTE are to be drilled at batten centres. It is important that this hole is a clearance hole with a diameter of 5mm. This allows for local expansion and contraction of the board. Failure to drill a clearance hole will void your warranty. Each board and trim accessory must always finish on a batten. The ends of the boards and trim accessories must never be left unfixed. All cladding boards and Trims must be pre-drilled before fixing with screws.

SCREW REQUIREMENT

For fixing boards a minimum 8g x 30mm stainless steel pan screw is recommended. Please refer to the table below for screw size

Sub-Frame Type	Minimum Screw Size
Timber	8g x 60mm
Steel	8g x 50mm

All screws to be stainless steel.

INSTALLATION

HORIZONTAL INSTALLATION

To install the cladding horizontally complete the following steps...

1. Ensure you have installed a waterproof membrane in accordance with your local construction requirement.
2. Depending on personal preference and the application, the tongue can be left on or cut off.
3. Fix the cladding to the subframe through the gap in between the first and second rib on the tongue side.

VERTICAL INSTALLATION

To install the cladding vertically complete the following steps...

1. Ensure you have installed a waterproof membrane in accordance with your local construction requirement.
2. Depending on personal preference and the application, the tongue can be left on or cut off.
3. The cladding must be started at a corner, external wall or against another cladded wall.
4. Fix the cladding to the subframe through the gap in between the first and second rib on the tongue side.

Stud or Batten spacing to be either 450mm or 600mm centres. Timber battens to be no less than 70 x 22mm. H3 Treated Timber is recommended.

Suitable Vapour Permeable Barrier

Int/Ext Wall

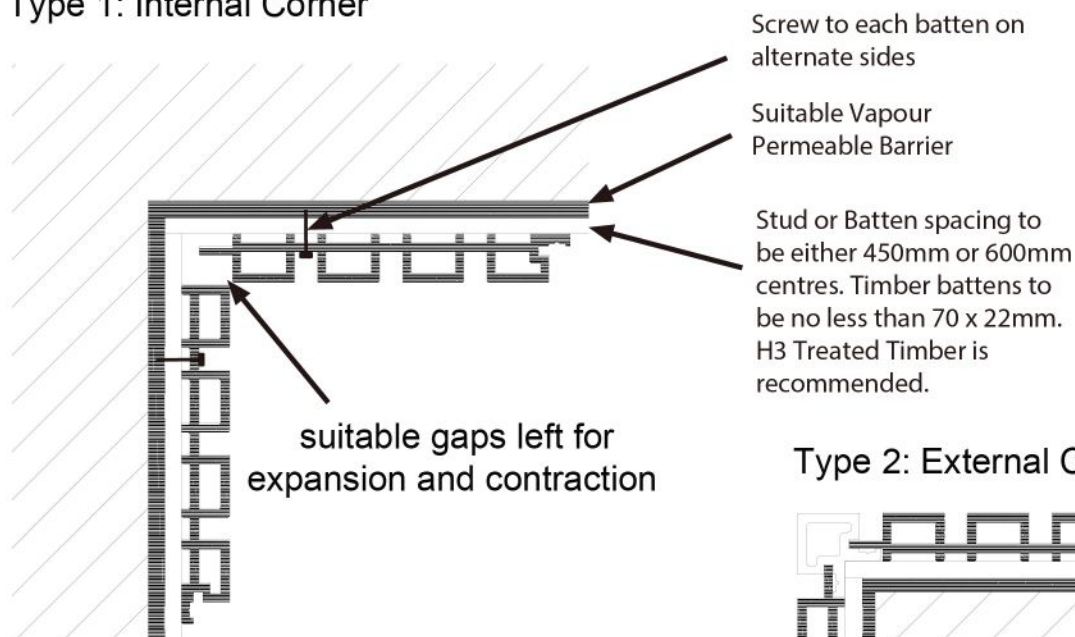
Pan Head Screw



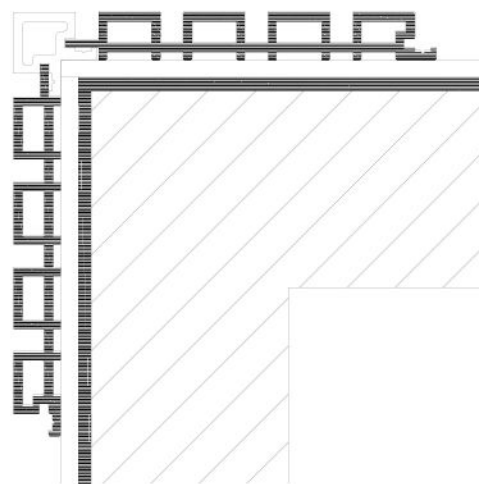
CORNER TRIM

When two cladding boards meet at Internal corner, you can do it as the following **Diagram Type 1**. No special trim is needed. When two cladding boards meet at external corner, the external corner trim can be used as **Diagram Type 2**.

Type 1: Internal Corner



Type 2: External Corner



SLEEK EXPANSION TRIM

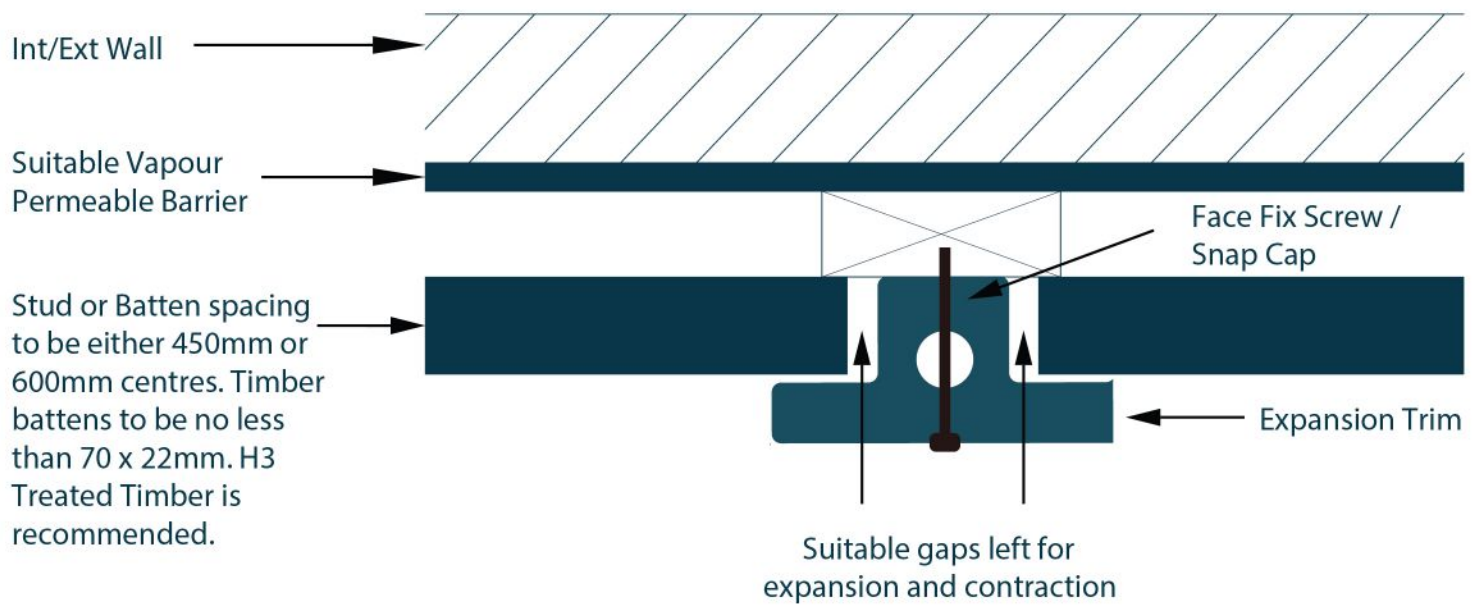
The expansion trim is only required for horizontal and vertical installation. First, using a saw, cut the sleek trim.

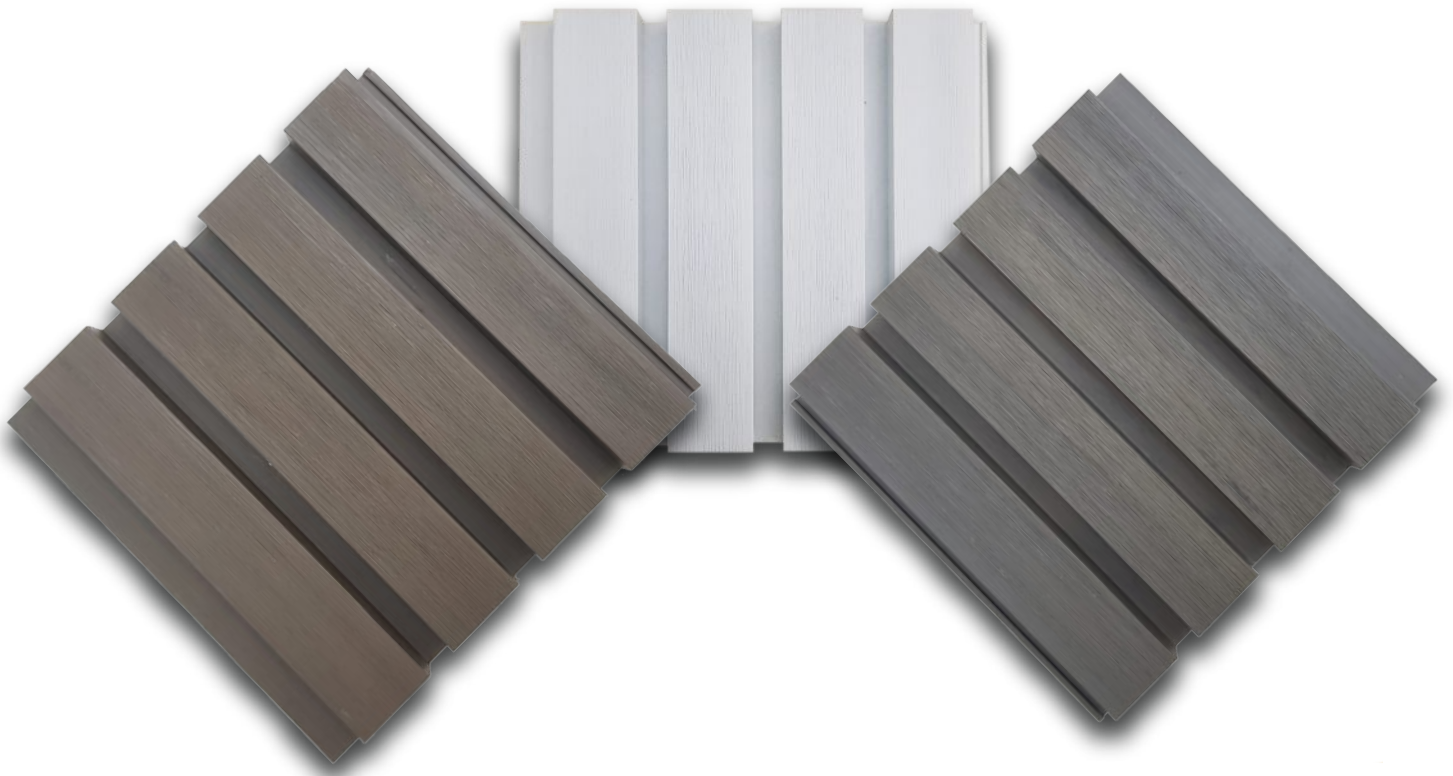


Place Slek Expansion Trim into position & mark on the frame or battens to see where the cladding boards will finish. Cladding should sit in-between the recesses provided, ensuring suitable gaps for expansion & contraction have been left. Do not butt boards up tight directly into trims. It is possible to install sleek expansion trim after the cladding is installed as long as sufficient gaps have been allowed.

Installing the sleek expansion trim:

1. Place trim in place
2. Predrill with 5mm hole through entire thickness of the trim.
3. Fix expansion trim into position through bottom skin only ensuring it is level..





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