

5mm COMPACT laminate

Wall Lining

Installation Guide

Requirements

Pre-conditioning of **polytec's** 5mm Compact laminate panels is recommended. Expose the product to their final environment for as many days as possible before installation, as changes in relative humidity can mean dimensional changes in the panels. The recommend minimum period is 48 hours.

Processing

polytec's 5mm Compact laminate panels can be supplied accurately cut to size, or as full sheets. In the event further processing is required, **polytec's** 5mm Compact Laminate panels can be cut, drilled, and machined using standard high quality woodworking tools. To avoid cracking, ensure all internal cut-outs feature minimum 10mm radius corners. In the event that adhesive is used, slightly roughen the surface and ensure all foreign matter (dust, grease, etc) has been removed before applying adhesive

Product Limitaions

polytec 5mm Compact Laminate panels must not be subjected to submersion or continuous permanent contact with water. This product is not recommended for use in saunas or steam rooms. **polytec** 5mm Compact Laminate panels are only suited to environments between -10°C – 50°C. **polytec** 5mm Compact Laminate panels are not recommended to for use in exposed exterior locations.

Planning

polytec 5mm Compact laminate panels can be installed on a range of substrates including plasterboard, fibre cement sheeting, timber framing and steel framing. These panels are easy to install using a combination of the following:

- Aluminium extrusion (for use when fixing and joining panels)
- High quality construction grade adhesive.
- Silicone (for use when sealing joins).
- High quality double-sided tape (for use in conjunction with construction grade adhesive - allows for panels to be positioned without the need for bracing).

Correct professional waterproofing and sealing is required prior to **polytec** 5mm Compact Laminate being installed in showers, or other wet areas.

Storage & Handling

Storage area should be an enclosed space, protected from moisture and heat, away from direct sunlight. When moving product, ensure care is taken to avoid scratching of the decorative surface. Ensure the pooling of water on the surface cannot occur and allow sufficient ventilation and drainage in enclosed spaces.

All packs should be evenly supported at each end, at intervals of no more than 600mm wide. All supports should be vertically aligned where packs are stacked. Minimise leaning panels against walls vertically to avoid bowing.

Care & Maintenance

To maintain the antibacterial effectiveness of **polytec's** Compact laminate, the surface should be kept clean. Provided that good hygiene practices are followed; the antibacterial certified surface will be sustained for the expected life of the product. It is recommended after general cleaning; the Compact laminate surface should be wiped down with isopropanol.

polytec's Compact laminate has been independently tested in accordance with industrial standard JISZ2801 test for antibacterial activity and efficacy.

Always ensure that you refer to the recommendations provided by the cleaning product manufacturer before use.

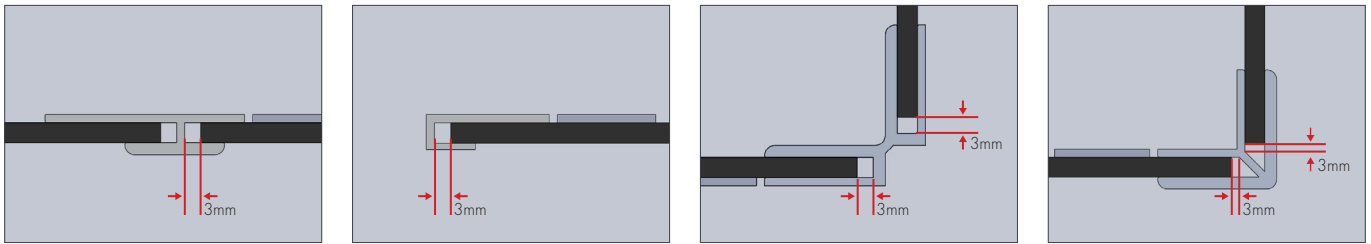
polytec

www.polytec.com.au

p 1300 300 547

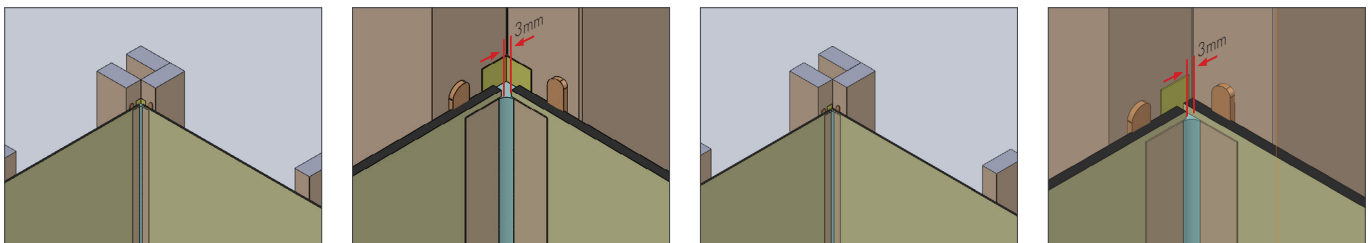
ALUMINIUM EXTRUSION

When using aluminium extrusion for fixing, joining, and finishing panels, it is important to consider that minor expansion/contraction of the product may occur post installation. A void of 3mm must be allowed for within all aluminium joiners.



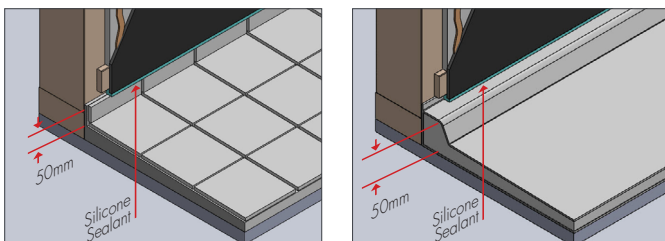
SILICONE JOINTS

polytec 5mm Compact Laminate panels can be installed with the use of silicone joints. If doing so, it is recommended that a bond breaker tape be applied to the substrate behind all joints. Decorative joining transition extrusion can be used in this instance. Allowance must be made for a 3mm expansion gap between adjoining panels. Any excess silicone can be removed with a damp cloth, or mineral turpentine.



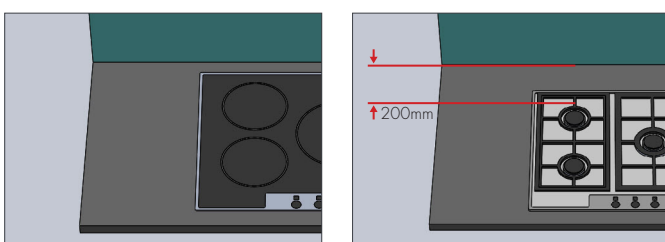
WET AREA REQUIREMENTS

Correct professional waterproofing and sealing is required prior to polytec 5mm Compact Laminate being installed in showers, or other wet areas. polytec 5mm Compact Laminate panels must not be subjected to submersion or continuous permanent contact with water. Panels must not run to the floor of shower areas. Panels can be installed atop a shower tray or tile skirting. Minimum recommended tile height is 50mm.



SPLASHBACK INSTALLATION

polytec 5mm Compact Laminate can be used as a splashback. Due to heat and cleaning requirements where 5mm Compact Laminate is being used as a splashback, it is recommended that 'full sheets' are used wherever possible (avoid joints). If you have a combustible splashback adjacent to an electric cooktop, the builder needs to follow the basic minimum clearance guidelines set out in AG/601. For gas cooktops, a minimum of 200mm clearance is required.

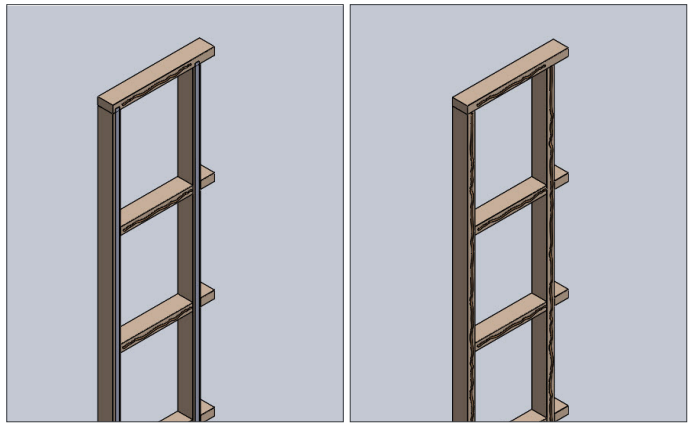


STEP 1

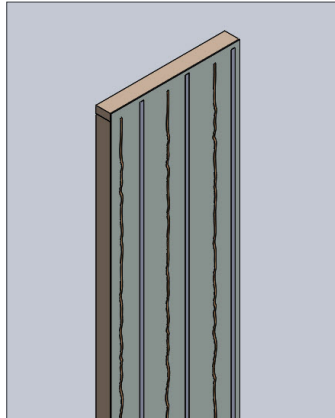
- a. Ensure all framing faces are straight, in alignment and flush.
Vertical studs and horizontal nogs should be at no more than 600mm centres.
Ensure all bond surfaces are clean and dry and free from dirt, dust, oils, or any other surface contaminants.
A degreaser may be required for steel framing.
Ensure sheet joints (and joiners where appropriate) coincide with the centre of studs or supports when installing directly to timber framing.

STEP 2

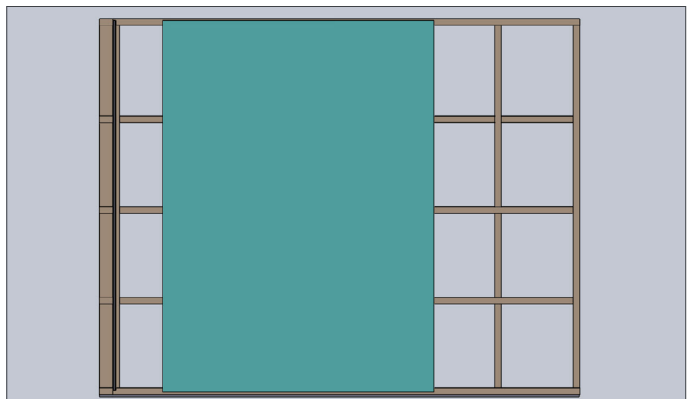
- a. Apply continuous panel length strips of doubled-sided tape to the right of centre on each vertical stud that is not supporting the edge of a sheet (centre stud), or to the right or left of centre of each vertical stud where two panels will be joined (edge stud).
If using aluminium jointers, once fixed to vertical studs, apply a bead of silicone sealant to the inner edge to create a 3mm expansion gap.
- b. Apply continuous full lengths beads of adhesive (no less than 10mm wide) in a snaking pattern on all horizontal nogs, and either side of the double-sided tape on each centre stud.

**STEP 3**

- a. Apply double-sided tape and adhesive to the rear of the 5mm Compact laminate panels in sequence, at no more than 300mm centres.

**STEP 3**

- a. Remove the tape backing, and place the panel into desired position and apply pressure to ensure full contact between the framing and the panel.
- b. A cloth wrapped wooden block can be used to work across the surface of all panels, especially the edges, to ensure 100% adhesion on all parts of the panel.



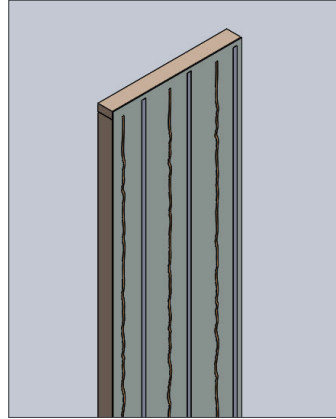
NOTE: Always refer to the manufactures guidelines when using adhesive and silicone.

STEP 1

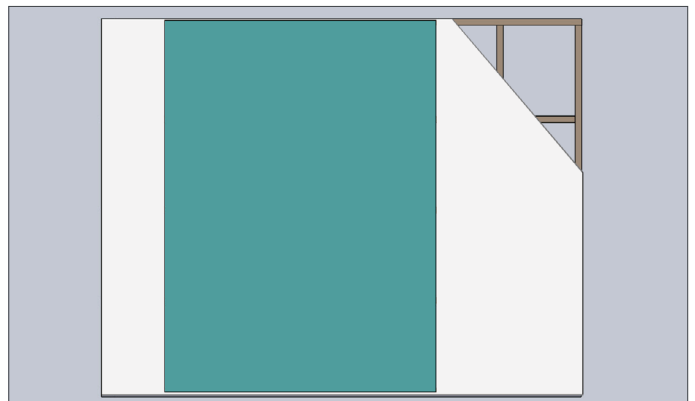
- a. Ensure all framing faces are straight, in alignment and flush.
Ensure all bond surfaces are clean and dry and free from dirt, dust, oils, or any other surface contaminants.

STEP 2

- a. Apply double-sided tape and adhesive to the wall linings in sequence, at no more than 300mm centres. Adhesive should be applied in a snaking pattern in a 10mm bead.
If using aluminium jointers, once fixed to lined walls, apply a bead of silicone sealant to the inner edge to create a 3mm expansion gap.

**STEP 3**

- a. Remove the tape backing, and place the panel into desired position and apply pressure to ensure full contact between the framing and the panel.
- b. A cloth wrapped wooden block can be used to work across the surface of all panels, especially the edges, to ensure 100% adhesion on all parts of the panel.



NOTE: Always refer to the manufactures guidelines when using adhesive and silicone.