

SURROUND by Laminex™

Usage Instructions:

This set of instructions outlines the installation process for Surround by Laminex panels in a standard ceiling with truss and batten construction.

Keynotes:

1. Ensure the ceiling structure is straight and level.
2. Ceiling battens must be placed at intervals of 450 mm or less.
3. Plan how you'll finish internal and external corners before starting the installation.
4. DO NOT END BUTT panels as they may lead to ongoing movement; use a cover mould or bulkhead design instead.
5. Heritage and Classic VJ 100 décors are both available in 9mm thick with no white backer on the panel, so priming on the back face is required.
6. All other decors are only available in 12mm with the white backer so no priming on the back face required
7. If the joists are spaced at 450mm or less, the panels can be installed directly onto them.
8. When using a power saw, cut with the face side down. When using a handsaw, cut with the face side up. If using a powered saw, refer to the manufacturing guidelines for directional cutting.
9. Leave a 10mm expansion gap around the perimeter of each room's ceiling.
10. Allow a 1.0mm to 1.5mm expansion gap at each joint between panels.
11. If joining off the battens, support any joins with additional noggin where required.
12. Surround by Laminex panels are a timber-based product. Care should be taken when installing to manage the moisture environment from the adjacent air conditioning plant and pipe works. 6.8 in the fabrication manual for wet area installations (e.g., bathrooms, laundries, and kitchens).
13. (W) Penetration through Surround by Laminex panels to accommodate light fittings, shower fittings, ducts, and vents of any description, should be sealed to prevent moisture ingress to the panel and prevent leakage behind the panels. Recess shower heads into the surface of Surround by Laminex ceiling panels is not a warrantable application

DISCLAIMER: Surround by Laminex Wall Panels cannot be installed in direct 'Splash Zones'. This includes showers or in any application where a vessel (bath, tapware or basin) is within 75mm of the wall. However, Surround by Laminex Wall Panels can be installed on all other walls within bathrooms and laundries, so long as the installation complies and is in accordance with AS 3740 and NCC Volume One, F1.7 and Volume Two, 3.8.1).

- (W) Claims resulting from failure to adequately seal all exposed edges will not be recognized.



Consumables:

Anti-rust parallel threaded screws to fix Surround by Laminex panels to the ceiling. Make sure they penetrate the battens at least 25-30mm. Consider self-drilling and countersunk screws.

Flexible construction adhesive to glue the panels to the battens. Ensure the adhesives allow 25% movement capability. We recommend Sikaflex 111 Flexible adhesive (SMP)

It is recommended timber putty filler is on hand to cover fixings.

PVA adhesive is recommended for fixing any timber moulding and trims used in combination with Surround by Laminex.

For tooling refer to our fabrication manual section 5.2

Cutting Instructions:

Surround by Laminex panels can be readily cut with a power saw or hand saw. New or sharpened blades should always be used as blunt or dull blades will decrease the accuracy and finish of cuts.

Surround by Laminex panels should be cut only on saws that have a scribing blade on the underside.

When using a powered saw, cut the panels with the decorative face down and when using a handsaw cut the panels with the decorative face side up.

It is recommended that a test piece be cut to verify the correct decorative face position for the specific cutting equipment to be used

If using a router, do not allow the cutter to take too deep a cut at a time and only trench a maximum of one-third of the thickness, per pass.

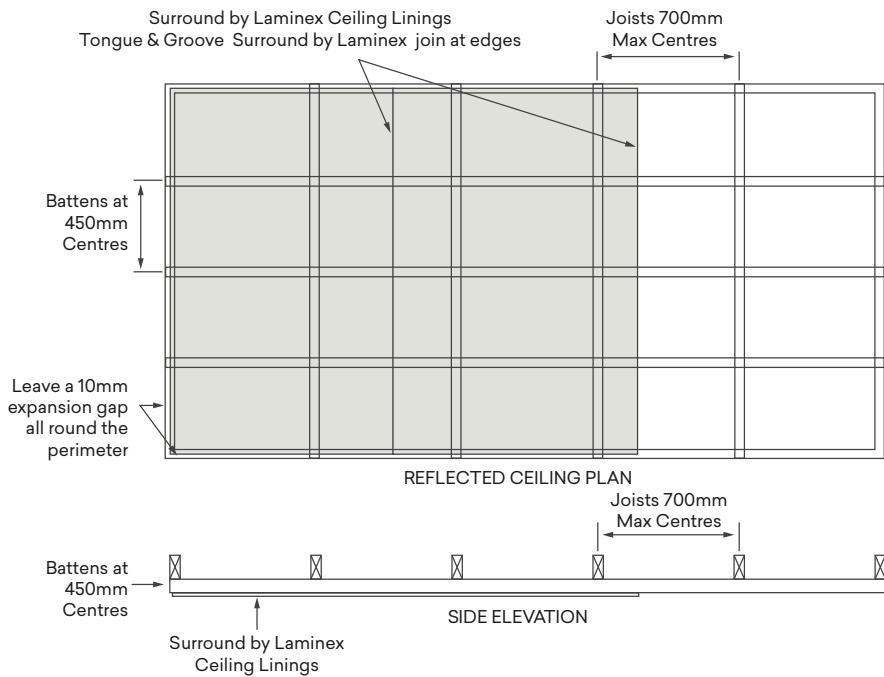


FIGURE 1



Preparing the Ceiling:

Any modification required to the structural framework must be conducted by a qualified Tradesperson.

Ensure that the ceiling structure is straight and level. Rectify any irregularities or defects.

Install battens across the ceiling trusses, maintaining a spacing of 450mm or less between them.

Preparing the Surround by Laminex panels:

Allow the sheets to achieve EMC in the area where they will be installed for 24 to 48 hours before proceeding with the installation.

Painting and Finishing:

- Please refer to our Fabrication manual 6.8.3 Painting Surround by Laminex panels in high humidity and damp areas.
- Please refer to our Fabrication manual 7.1 Painting.

Installing the Surround by Laminex panels:

Laminex recommends installing the sheets across the ceiling battens.

Begin the installation from one side of the room, working systematically across the entire ceiling.

To install panels on the ceiling, begin by applying flexible construction adhesive at 600mm intervals on each batten and any noggins behind the first sheet. Ensure that you follow the recommended quantity specified by the adhesive manufacturer. Continue this process for each subsequent sheet working along the ceiling from one side to the other.

Next, position the first panel, keeping in mind any out-of-square battens.

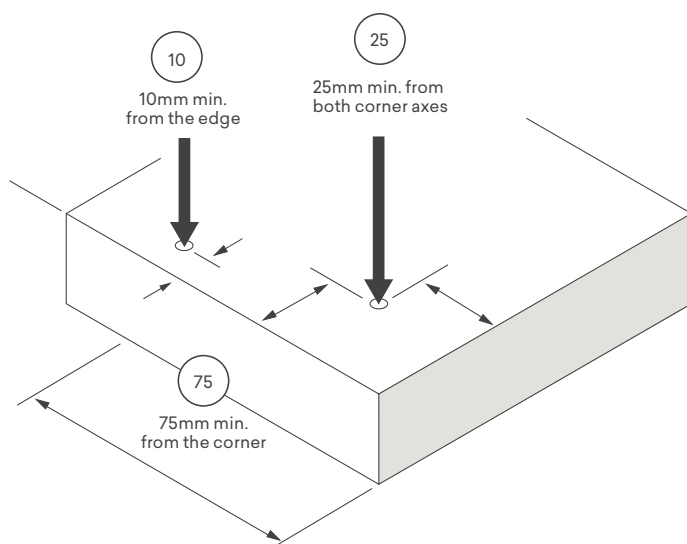
Use nails or screws to fix the panel to the ceiling battens. Ensure screw or nail holes are filled with solid filler before painting.

Fixings should be carefully positioned to prevent splintering and breakout.

No face fixings are allowed less than 25mm to a corner or less than 10mm to an edge.

No edge fixings are allowed less than 75mm to a corner.

FIGURE 2



Use a spirit level to ensure that the panel is level and adjust it as necessary using screws. The adhesive will help bridge any gaps between the panel and the batten.

Screws or nails are spaced approximately 400mm apart to secure the sheet to the battens, ensuring that the fixings penetrate the battens by at least 30mm.

Repeat this process to fix the remaining sheets, progressing from one side of the ceiling to the other.

Leave a 1.0mm to 1.5mm gap at each sheet joint to allow for sheet expansion.

For the final panels, measure the remaining space and cut the sheet 10mm shorter than the gap to be filled.

If an existing ceiling is in place, it is important that Surround by Laminex should be fixed to the ceiling battens or joists. Failure to secure the primary ceiling structure may result in panels dislodging where they are secured only to the ceiling substrate. Its outcome is dangerous to the occupants of the room and must be avoided. (W) Failure to secure the Surround by Laminex panels to the primary ceiling structure will not be recognized under warranty.

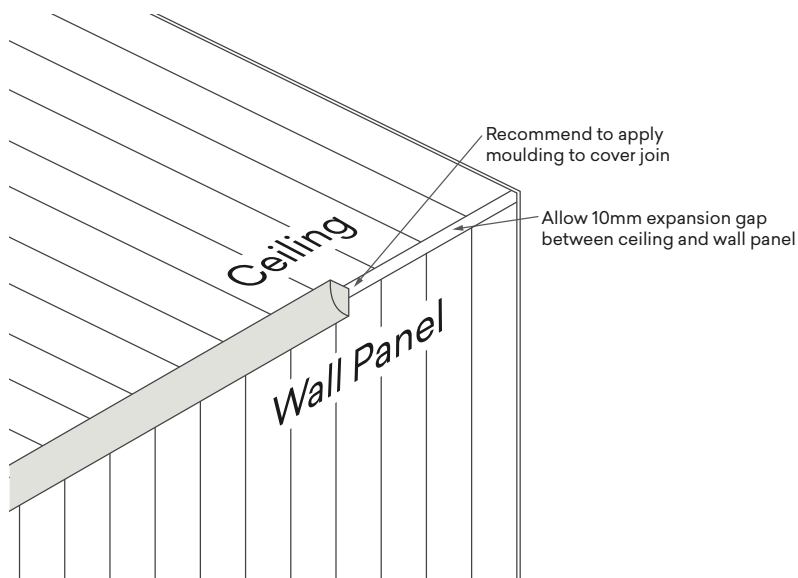


FIGURE 3



Ceiling Finishing

Wall to Ceiling option

Various options are available for finishing the junction between the wall and ceiling. These include:

1. Timber Cornice/Mould: Utilizing timber cornice or moldings to create a decorative transition between the wall and ceiling.
2. Plaster Cornice: Installing plaster cornice, which is another popular choice for adding a refined look to the wall-to-ceiling interface.
3. Timber Quad/Bead, Quad, Scotia, Ovolo: Opting for timber quad, bead, scotia, or ovolo profiles, which offer different design possibilities for achieving the desired aesthetic.
4. Square set junctional shadow line utilizing the 10mm expansion gap.
5. Please note that these are just suggestions, and there are numerous plasterboard cornices and timber mouldings available through various timber, hardware, and plasterboard suppliers. The displayed images and profiles are not exhaustive; they serve to demonstrate the wide array of possibilities for finishing and detailing Surround by Laminex panel installations. You have the freedom to explore and select from a diverse range of options to suit your preferences and requirements.

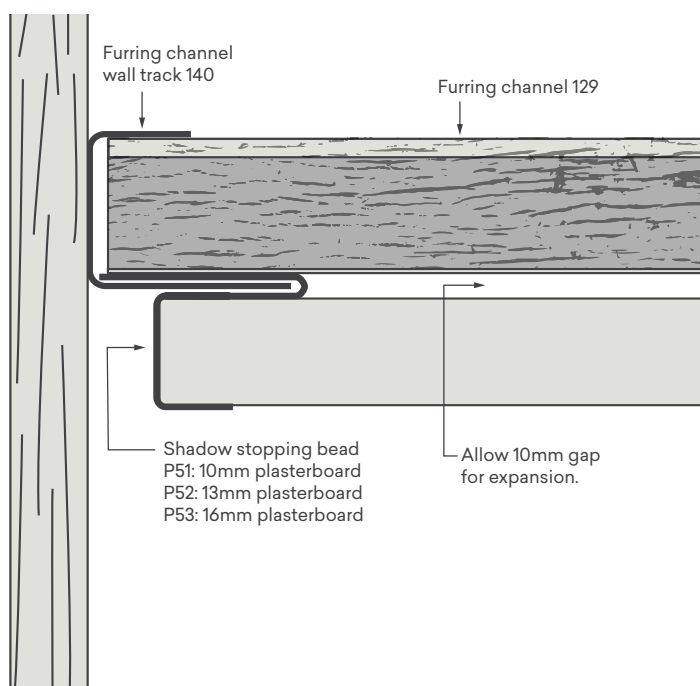


FIGURE 4



Butt End Alternatives:

In situations where longer sheets are necessary for ceilings or when the product is used horizontally on walls, it may be required to join sheets end to end. However, Laminex recommends against end-butting the sheets. This is because the building frame may experience movement over time, coupled with environmental changes, which could lead to slight shifts in the panels. Consequently, this movement could cause the joint sealant (gap filler) and paint to crack, resulting in an unsightly and uneven caulked joint.

To avoid these issues, we advise exploring alternative ways to detail sheets that need to meet, allowing the profile to continue without joining the sheets directly end to end. By considering other methods of joining, you can achieve a more seamless and aesthetically pleasing result for your Surround by Laminex Panel installation.

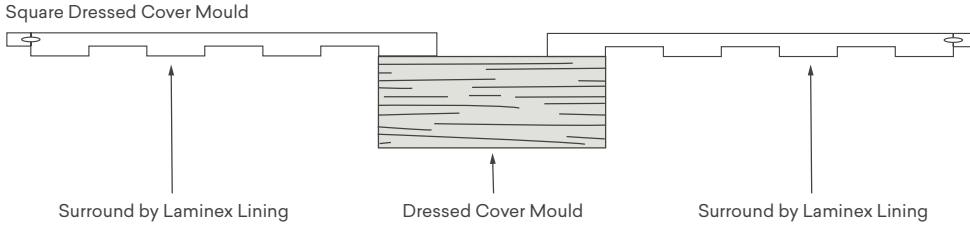


FIGURE 5

Warranty Document

To view the latest Warranty Document for this product, please visit www.laminex.com.au.

Care & Maintenance Document

To view the latest Care & Maintenance Document for this product, please visit www.laminex.com.au.

Safety Data Sheet

To view the latest Safety Data Sheet for this product, please visit www.laminex.com.au.

