

InstaBoard

INSTALLATION GUIDE v1.1092025

A durable PVC wall lining product for easy and stylish interior finishes.

1. Product Overview

- **Material:** PVC (moisture-resistant, lightweight, easy to clean)
- **Applications:**
 - Interior walls and ceilings
 - Residential and commercial projects
 - Use in semi exterior undercover areas for walls & ceiling linings (not subjected to direct sunlight or strong reflected sunlight).
- **Key Features:**
 - Finished colour.
 - Tongue-and-groove design
 - Easy to cut, install, and maintain

2. Important Installation and Safety Considerations

- This product is not suitable for direct sunlight or areas exposed to strong reflective sunlight
- This product cannot be installed under polycarbonate or clear roofing.
- Panels may vary slightly in colour, and such variation is not covered under warranty.
- The customer/ installer is responsible for inspecting each panel for colour, finish, size and other issues prior to installation.
- Sufficient clearance is required when installed under a steel roof to allow for ventilation.
- Panels must not be fixed directly to roof metal purlins or any building components that could become hot, such as metal roofing or areas exposed to significant sunlight. A thermal barrier must be installed.
- All fixing points near electrical sources should be safe and isolated from power. Use a licensed electrical contractor.
- Keep away from direct flame or high heat sources.
- Not for splash backs, cooktops, or tiling over.

Important note: Panels are inspected for quality before packaging and shipping. Stock delivered to stores is inspected upon arrival and should be free from damage. All products collected from a retailer should be thoroughly inspected at the time of pickup. Any damage discovered at that point should be addressed directly with the retailer.

3. Storage

- Store in a dry, well-ventilated area.
- Keep away from direct sunlight, direct flame, and high heat.
- Store flat on a stable surface; avoid heavy objects on top.

- Maximum storage temperature: 60°C
- Store indoors or under cover.

4. Pre-Installation Considerations

- Ensure the building is watertight (doors, windows, cladding installed).
- Panels require expansion gaps.
- Fixing spacing: Maximum 600 mm.

5. Tools & Materials

- Tape measure, pencil, spirit level
- Saw (fine-tooth blade)
- Screw gun or nail gun
- Caulking gun
- Flexible construction adhesive
- PermaTimber® Wall Lining Clips – must be purchased separately
- Screws or nails
- Spacers, string line, safety gear

6. Fixings & Adhesives

- **Screws:** 4g countersunk
- **Nails:** 14g brads
- **Adhesives and Sealant:** The supplier of adhesives, sealants, and gap fillers should confirm their suitability for installation before use via their technical data sheet.
- **Apply sufficient adhesive:** Use a construction adhesive with at least 25% expansion capacity to securely fix panels. For plasterboard or other wall linings, apply a continuous bead around the panel perimeter and a zigzag pattern across the surface.

7. Expansion Gap Allowances

- Panels expand and contract linearly with temperature changes. However, thanks to their unique PVC composition, the effect of these movements is minimal, approximately 2.4mm per metre for a temperature change of over 40°C.
- The tongue-and-groove design combined with special fixing clips significantly reduces visible expansion effects. During installation, it is important to consider the ambient temperature and adjust expansion joints accordingly.
- Please use the expansion table below before and during installation to ensure proper spacing.

Gap Required Per Meter	
Ambient Temperature (°C)	Expansion/ Contraction (mm)
45	1.5
40	1.2
35	0.9
30	0.6
25	0.3
20	0
15	-0.3
10	-0.6
5	-0.9
0	-1.2

8. Installation Methods

A. Onto Timber or Steel Battens

- Fix battens at recommended spacing (max 600mm).
- Start in a corner with spacers for expansion.
- Use screws, nails, or clips.
- Avoid over-tightening.

B. Over Existing Wall Linings

- Ensure wall is secure; sand if needed.
- Apply adhesive in perimeter + zigzag.
- Install battens if wall is uneven.

8.1. Screw Installation

1. Pre-drill 3.5 mm pilot holes through InstaBoard panels to avoid splitting and make screw installation easier.
2. Apply adhesive to the battens along the tongue side of the panel.
3. Position the panel on the battens.
4. Fix the panel using screws (Use 4g countersunk (CSK) head screws) at each batten.
5. Slide next panel into groove.
6. Repeat for all panels.

8.2. Nail Installation

1. Apply adhesive to the battens along the tongue side of the panel.
2. Position the panel on the battens.

3. Fix the panel using nails recommended for PVC wall lining at each batten.
4. Slide next panel into groove.
5. Repeat for all panels.

8.3. Clip Installation

1. Apply adhesive along the tongue side of the board at each batten.
2. Place clips into the groove side of the board at each batten.
3. Fix with screws (Needle point 6 or 8 gauge by 13mm sunk screw, or equivalent recommended).
4. Slide next panel into groove.
5. Repeat for all panels.

8.4. Adhesive Installation

1. Apply adhesive around the perimeter of the panel and in a zigzag pattern across the back of each panel.
2. Position the first panel on the wall, ensuring it sits correctly in place.
3. Press the panel firmly to ensure proper adhesion.
4. Slide the next panel into the groove and repeat the process.
5. Continue until all panels are installed.

9. Finishing

- Use PermaTimber® PVC trims (Skirting, DRA, Corner, Scotia, Base Cap). Painting can be applied if a finished look is required
- Wipe panels clean.

10. What NOT to Do

- Do not store outdoors.
- Do not install in splash zones or over tiles.
- Always leave expansion gaps to prevent buckling.

11. Maintenance

- InstaBoard does not require any ongoing maintenance. If needed, product can be cleaned with a damp cloth.
- Do not use pressure hose/sprayer.

12. Warranty

Warranty information can be found at <https://www.permacomposites.com/warranty/>