

Timber Lining - Transport & On-Site Storage



When transporting timber lining to site, all packs must be fully wrapped in plastic and protected from moisture ingress. Upon delivery, any packs craned onto the ground must be placed on bearers with a minimum clearance of 150mm above ground level, ideally on a level and well-drained surface.

On the same day as delivery, timber lining must be moved indoors and stored in a dry, protected, undercover area to prepare for acclimatisation.

If there are any concerns regarding damage, sizing, or moisture content, installation must not proceed. Immediately contact the supplier to discuss and resolve the issue prior to installation.

On-Site Acclimatisation

Timber lining boards must be acclimatised in dry, protected rooms located as close as possible to the intended installation area.

- Place timber bearers on a clean, dry ground surface.
- Stack lining boards on the bearers with **10mm spacing between each row.**
- Install additional bearers between rows at **600mm centres** to support the next layer of lining.
- Continue this stacking pattern for the full quantity of lining.
- For large volumes, repeat the process using additional packs as required.

Once stacked, allow the lining boards to acclimatise for **5-7 days.**

In warmer climates, ensure adequate ventilation and block direct sunlight through windows to prevent excessive heat build-up during the acclimatisation period.



Expansion Gaps

For wall and ceiling installations, a **10mm expansion gap** must be allowed between the lining and all adjoining wall structures.

Kiln-dried timber products are hygroscopic and will expand and contract in response to changes in humidity. In undercover external applications, lining boards must not be installed tightly, allowing for natural incremental movement due to climatic variations.

For undercover outdoor areas (e.g. alfresco ceilings), additional consideration must be given to the level of protection from wind-driven rain. Where applicable, fascia should be installed approximately 100mm below the lining to protect and conceal the perimeter of the ceiling lining.

Fixing Points, Adhesive & Fixings

For walls (vertical or horizontal) and ceilings, fixing points for kiln-dried hardwood and softwood linings must be at **maximum 450mm centres**.

- **12mm thick lining boards: use 38 × 1.6mm nails**
- **14mm thick lining boards: use 45 × 2.0mm nails**

All nails must be driven at an angle between **30° and 45°** into the fixing point.

For profiles suitable for screw fixing, refer to the manufacturer's recommendations for appropriate screw size and type.

For all **external undercover applications**, fixings must be **stainless steel or hot-dip galvanised**.

Where adhesive is used, it must be an **elastomeric adhesive** (e.g. Sikaflex 11FC) and applied in accordance with the manufacturer's guidelines directly onto studs or battens.

