



Solid Tongue & Groove Flooring

Inter storey joists/ ground floor battens

Technical Installation Guide

1. Products

1.1 ADHESIVE FOR T&G FLOORING

Selleys Direct Stick LOW VOC Adhesive

1.2 SOLID T&G END LOCKED FLOORING TIMBER

Herman Pacific's Solid T&G end locked flooring, kiln dried to a moisture content to match the proposed finished installation environment, plastic wrapped and stored flat and inside until installation start.

- For installation over joists/ battens it is recommended narrow flooring boards are used to minimize movement in the floor. The wider the floor the more likely it will move/cup when laid over joists/ battens.

1.3 COATINGS

Ciranova Unico VOC free oil or recommended water-based polyurethane.

2. Installation

2.1 PRIOR TO STARTING ANY WORK

Start installation only when the building is fully enclosed, when all "wet" trades have finished and when any heating or air-conditioning systems are operating.

2.2 JOISTS/ BATTENS

Ensure the joists are clean & dry and level to the BRANZ Specification of maximum 5mm over a 3meter straight edge in any direction, with a maximum spacing of 450mm centers.

2.3 FLOORING MOISTURE CONTENT

Check the moisture content of the timber flooring and ensure it is at the desired level for the installation environment.

2.4 FLOORING INSTALLATION

If necessary sand/plane the joists flat. Install timber flooring over joists using the double fixing system of Selleys Direct Stick low VOC Adhesive & secret nailing with 40-45mm staples using a pneumatic flooring stapler/hit up gun. Apply the adhesive directly onto the joists and following manufacturers' specifications. Stagger all end joins in a random fashion to avoid "clustering". No plank should span less than 2 joists.

2.5 EXPANSION SPACES

Leave expansion spaces to the timber suppliers' specifications (6-10mm) at all fixed objects, walls and flooring transitions/junctions.

2.6 ACCLIMATISATION

After installation allow flooring to acclimatise to the environment for at least 2 weeks with any air conditioning or heating running.

3. Finishing

3.1 SANDING & COATING

Sand the surface flat, trowel fill the entire floor to fill all gaps and fine sand. Apply one coat of Ciranova Unico VOC free oil or three coats of recommended water-based polyurethane to the manufacturers' specifications and spread rates.

3.2 PROTECTION

After final coat restrict all traffic for 48 hours then allow only light, clean traffic for 7 days to allow polyurethane/oil to fully harden/cure. Once the polyurethane/oil has fully hardened it may be covered by Ram Board to protect it from trade damage (vacuum carefully first). Avoid covering within first 7 days and avoid covering with plastic at any stage. DO NOT apply ANY tape to the finished surface.

Please note: The client should be made aware that when installing T&G flooring directly over the joists they should expect that there WILL be more movement of the flooring compared to if the boards are installed over a continuous substrate such as ply or particle board, this is because of the limited fixing points when laying over joists, they should expect shrinkage/gaps and splitting of the boards especially if installed in front of glass joinery.

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Premium timbers that don't cost the earth

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