



Solid Tongue & Groove Flooring

Over in / on slab heating (concrete subfloor)

Suitable for in slab heating systems (eg piped hot water) and on slab heating (eg wires)

Technical Installation Guide

1. Products

1.1 CONCRETE SEALER

Selleys "VBS" 2 pot epoxy vapour barrier system.

1.2 ADHESIVE

Selleys Direct Stick LOW VOC adhesive

1.3 PLY BOARD

12mm MBH (Marine Bonded Hardwood) ply.

1.4 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.

1.5 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 SUBFLOOR

Ensure the subfloor is clean and dry and level to the BRANZ Specification of maximum 5mm over a 3 meter straight edge in any direction.

2.3 SUBFLOOR PREPARATION

Diamond grind the entire floor area to remove surface layer, high spots and construction debris to ensure the best possible key to the slab.

2.4 MOISTURE BARRIER

Vacuum clean the diamond ground slab and apply Selleys VBS vapour barrier to the manufacturers' specification, restrict traffic and allow 6 - 8 hours to dry.

2.5 LEVELLING OF SLAB

Fill any low spots with a primer and levelling compound over the VBS following the manufacturers' specifications. The primer is applied before levelling, to ensure a strong bond between the VBS and levelling compound. Note: Levelling compound, if applied underneath the VBS vapour barrier may be weakened by the presence of trapped moisture in the concrete slab. Follow manufacturers' instructions.

2.5^A APPLICATION OF LEVELLING MATRIX OVER HEATING WIRES (IF APPROPRIATE)

Securely fix wires in place (hot glue) over VBS moisture barriered slab, priming the patches where glue needs to adhere. Apply primer to entire VBS'd area. Apply levelling screed and allow to dry following the manufacturers' specifications. The primer is applied before applying the levelling matrix, to ensure a strong bond between the VBS and levelling compound.

Please note: Levelling compound, if applied underneath the VBS vapour barrier may be weakened by the presence of trapped moisture in the concrete slab. Follow manufacturers' instructions.

2.6 PLY BOARD

Lay sheets of ply cut into 400x400mm squares in a "staggered" pattern and fixed to slab with Selleys Direct Stick Adhesive. Leave 2-3 mm expansion spaces between each 400 x 400 board.

2.7 FLOORING MOISTURE CONTENT

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

2.8 FLOORING INSTALLATION

If necessary sand the ply flat. Install timber flooring over ply using the double fixing system of Selleys Direct Stick Adhesive and secret nailing with 40-45 mm staples using a pneumatic flooring stapler/hit up gun. Apply the adhesive directly onto the ply, following manufacturers' specifications. Lay the Planks directly into the adhesive "staggering" the end joins in a random fashion

Do not allow staples or nails to go through ply and pierce slab as it may damage heating system.

2.9 EXPANSION SPACES

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

2.10 ACCLIMATISATION

After installation allow flooring to acclimatise to the environment for at least 3 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.

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