

# STRUCTApanel H2



12mm Non-Structural Panelling



## Installation Guide

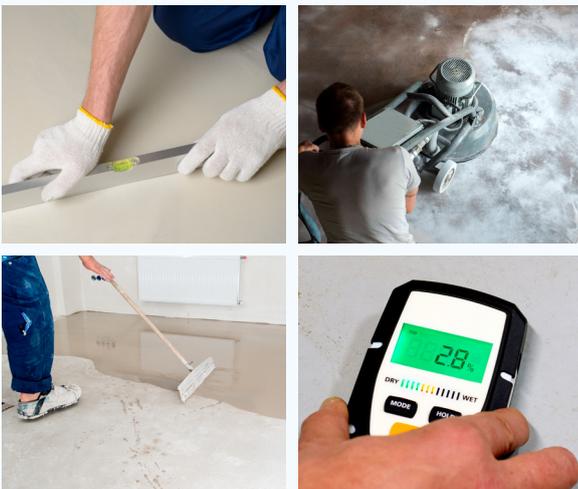
Timber Flooring Underlay

# TIMBER FLOORING UNDERLAY

## Laying over concrete and under timber strip flooring

### 1. Concrete Preparation

- All slab should be flat with no more than 3mm below a straight edge spanning between two high points 1.5m apart
- If the concrete slab is not flat then surface preparation such as grinding or leveling is needed
- Concrete moisture content should be less than 4%
- Slabs on the ground should be constructed with a continuous under slab vapour barrier (in accordance with AS 2780)



### 2. STRUCTApanel H2 12mm Acclimatisation

- STRUCTApanel H2 12mm should be allowed to acclimatise to the rooms normal in service EMC
- STRUCTApanel H2 12mm should remain dry at all times



### 3. Laying a Moisture Vapor Barrier Under STRUCTApanel H2 12mm

- A minimum 0.2m plastic moisture vapor barrier should be laid on top of the concrete slab, with joins overlapped by 300mm and taped. Plastic should go up the wall to above the height of the top surface of STRUCTApanel



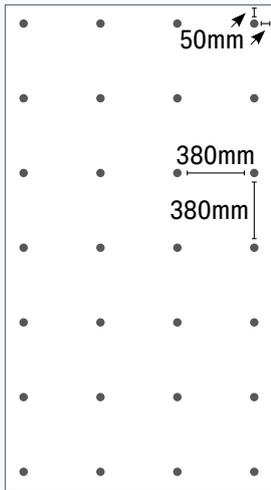
### 4. Installing STRUCTApanel H2 12mm

- Lay in a brick shaped pattern
- Expansion Gaps:
  - 10mm around the outside of perimeter walls or fixtures,
  - 3-5mm between the edges of each sheet
- Max expansion gaps (5mm) can be used in high humidity conditions
- Min expansion gaps (3mm) can be used in low humidity conditions



### 5. Fixings

- Appropriate anti rust concrete fixings should be positioned approx. 50mm in from edges of sheet, and approx. 380mm apart i.e. approx. 7 rows down the panel length and 4 rows across the panel width
- Fix STRUCTApanel H2 12mm sheets through the membrane to the slab with hand driven 50mm long by 6.5mm spikes (Powers SPIKE), or masonry split anchors 50mm long by 6mm, or equivalent
- Heads should be positioned under the surface of the panel to allow for sanding >>

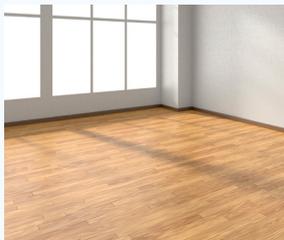


## 6. Laying of Timber Strip Flooring

- Timber strip flooring should be laid following manufacturer's recommendations



## 7. Sealing of Timber Strip Flooring



## 8. Additional Information

- STRUCTApanel H2 12mm is a non-structural panel and should not be laid directly to joists or battens

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## FLOORING

With an extensive range of options, Australian Panels can accommodate subfloors, suspended floors in multi-storey construction, building additions and extensions along with oversized commercial flooring spaces.

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## PANELLING

Made with the same durable materials used in our market leading STRUCTAflor particleboard flooring products, the new and exciting panelling products consist of STRUCTApanel H2 9mm Treated Structural and 12mm Non-Structural Panelling.

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## BOARD

Our CUSTOMwood (MDF) and CUSTOMpine (Particleboard) ranges both have Raw and Laminated options that make a versatile product to use in interior fitout solutions. Whether it be for the reliable quality that guarantees uniformity in size, density, and strength or for applications that are subject to humidity or moisture, such as bathroom vanities and kitchen cupboards, Australian Panels has the solution.

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## MOULDINGS

Manufactured in a wide range of design styles our mouldings and architraves are produced from premium grade MR CUSTOMwood MDF. They are pre-primed and ready to use on internal decorative trims, such as door jambs and skirtings and are guaranteed not to warp, buckle or split.

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