



*the better alternative*

AUSTRALIA |



*Fast and easy... a convenience you will appreciate*

**PRIMA Ceramic Tile Underlay™**

bathrooms  
wall linings  
ceilings  
kitchens

CERTIFIED TO:  
AZ/NZS 2908.2



SIRIM

CERTIFIED TO MS ISO 9001:2000  
Registration No: AR0430

## Product Information

**PRIMA Ceramic Tile Underlay™** is a premium quality autoclaved cellulose fibre reinforced cement board manufactured from Portland cement, top grade quality pulp from NZ, finely ground sand and water by Hume Cemboard Industries Sdn Bhd, an MS ISO 9001:2000 accredited company.

## Application

**PRIMA Ceramic Tile Underlay™** has superior fire performance and dimensional stability, which makes it an ideal substrate for ceramic tiles in wet and dry areas.

Manufactured with a pre-marked nailing pattern, sheets can be easily laid on existing timber flooring with minimal surface preparation.



## Features & Benefits

- Flat surface for smooth ceramic tile finishing.
- Pre-printed fastener points for ease of installation.
- Square cut edges for neat sheet jointing.
- Fibre cement superiority which means:-
  - ✓ Termite resistant
  - ✓ Fire resistant
  - ✓ Will not rot
  - ✓ Lasting durability
- Simple and easy installation.
- No stripping of old floor boards.
- Applicable in wet and dry areas.
- Larger board catering to latest trends of bigger bathrooms.
- Less cutting and joining for large/wider areas.
- Reduces tile movements.



**Water  
Resistant**



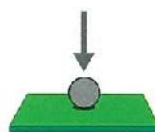
**Termite  
Resistant**



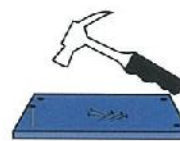
**Fire  
Resistant**



**Fungus  
Resistant**



**Impact  
Resistant**



**Good  
Workability**



**Structurally  
Strong**

## Standard Sizes

**PRIMA Ceramic Tile Underlay™** standard thickness is 6.0mm. Its mass at EMC is approximately 8.8kg/m<sup>2</sup>.

Thickness (mm)	Width (mm)	Length (mm)
6.0	900	1800
	1200	1800

*Note:*

*Other sizes are available on special order and may be subject to special conditions.*

## Finishes

**PRIMA Ceramic Tile Underlay™** should be overlaid with ceramic, mosaic or marble tiles. Use a compatible flexible tile adhesive. Ensure the sheet surface is free from dust or other contaminants prior to tiling. Refer to your tile adhesive manufacturer for more details.

## Preparation

### UNDERFLOOR VENTILATION

Ensure that the underside of the existing floor is adequately ventilated and free from dampness.

### EXISTING FLOORBOARDS

Check and replace any damaged floorboards and firmly re nail any loose boards. The surface must be reasonably flat. Rough-sand any undulation prior to fixing the ceramic tile underlay.

## Installation



### STEP 1

Cut the **PRIMA Ceramic Tile Underlay™** using a "score and snap" knife. Use a straight edge as a guide while scoring a minimum of 1/3 of sheet thickness.



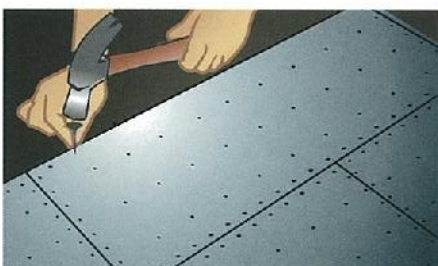
### STEP 2

Hold the sheet firmly near the cut, while snapping the off-cut upward to break.



### STEP 3

Lay **PRIMA Ceramic Tile Underlay™** across the floorboard direction in a staggered (brick) pattern. Sheet joints must not coincide with floorboard joints (provide a minimum of 100mm offset). Allow a minimum of 3mm gap between sheet edges and walls.



### STEP 4

Fasten **PRIMA Ceramic Tile Underlay™** from centre and working outwards using the pre-printed nailing pattern. Use 25mm x 2.5mm underlay nails. Drive nails flush with sheet surface.



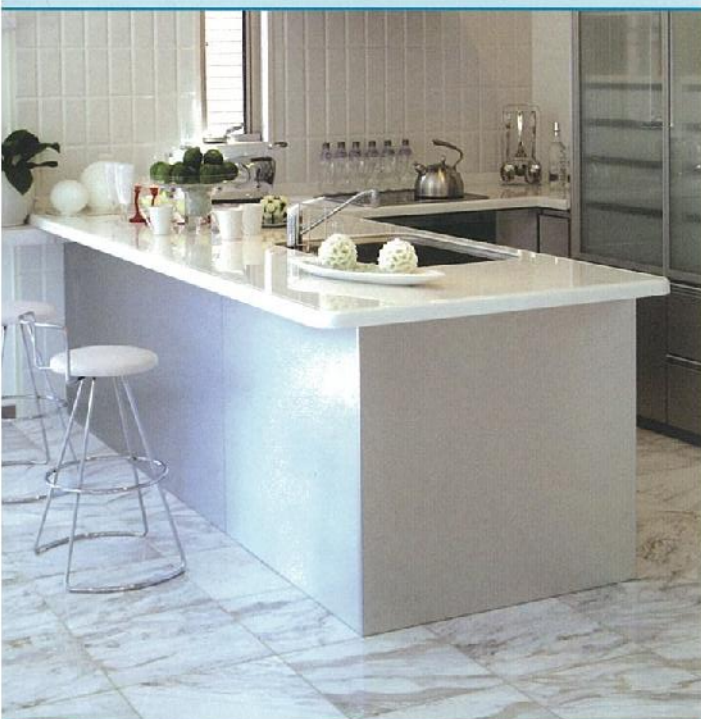
### STEP 5

Apply tile adhesive onto **PRIMA Ceramic Tile Underlay™** using a notched trowel. Refer to adhesive manufacturer's instructions.



### STEP 6

Lay ceramic tiles in accordance with tile manufacturer's recommendations.



# Installation Instructions

**PRIMA Ceramic Tile Underlay™** can be fixed directly to existing timber, particleboard or plywood floor. Ensure that the existing floorboard is flat and in good condition prior to fixing the underlay sheet. Fasten underlay sheets at the pre-marked fixing positions. Underlay sheets should be laid in staggered or brick pattern.

## SHEET LAYOUT

**PRIMA Ceramic Tile Underlay™** sheets should be laid in a staggered or brick pattern, across the direction of floorboards. Sheet joints must not coincide with floorboard joints as shown in Figure 1.

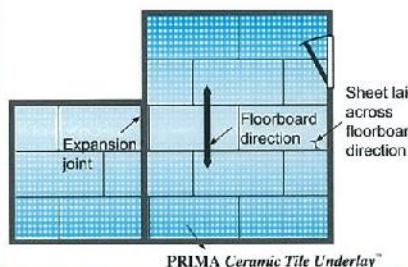


Figure 1 : Sheet Layout

## PERIMETER EXPANSION GAP

Leave a 3mm gap between sheet edges and wall at the wall-to-floor junction as shown in Figure 2.

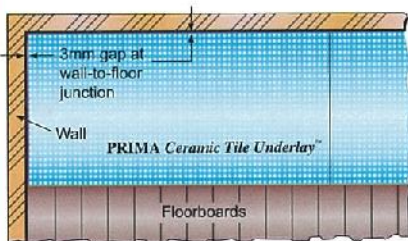


Figure 2 : Perimeter Expansion Gap

## INSTALLATION

Use 25mm x 2.5mmØ annular threaded underlay nails. Nail fixing locations must be as the following:

- 12mm minimum from sheet edge
- 50mm minimum from corner
- 75mm maximum centres at perimeter
- 150mm maximum centres elsewhere

Drive nail heads flush with the underlay sheet surface. Commence nailing from the sheet centre and work outwards towards the sides and ends of sheet. Refer to Figure 3.

*Note: For fixing to particleboard or plywood floor, apply wallboard adhesive to the rear of sheet with a 3mm notched trowel in addition to nail fixing as specified above.*

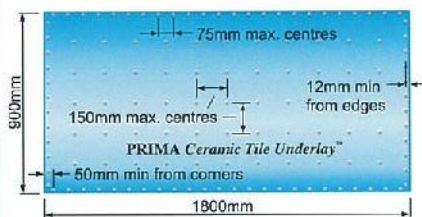


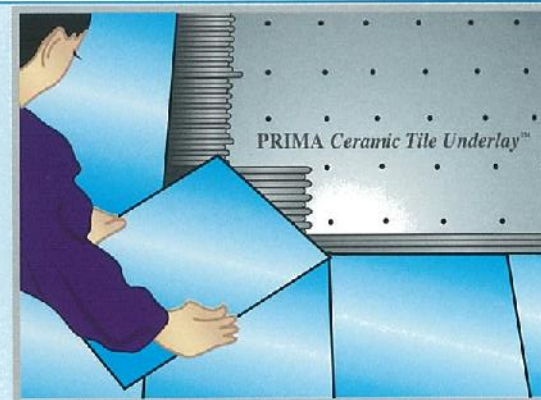
Figure 3 : Fixing Locations

## TILE ADHESIVE & GROUT

Use only flexible tile adhesive which complies to AS 2358 – *Adhesive for fixing ceramic tiles*. Refer to tile adhesive manufacturer for recommendations. Grouting material must be fully compressible.

## TILING

Tiles should be laid in accordance with acceptable tile laying practice. Provide a minimum of 2mm to 3mm gap between each tile.



## EXPANSION JOINTS

Expansion joints must be provided at 5.0m maximum centres and must always coincide with the structural break joints of the existing floor structure. Refer to Figure 4.

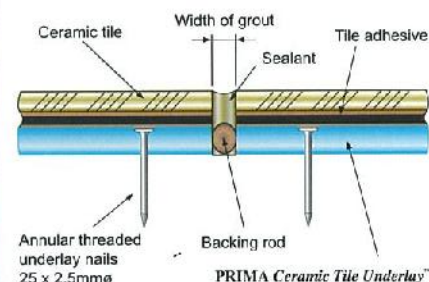


Figure 4 : Detail at Expansion Joint

## WARRANTY

Hume Cemboard Industries Sdn Bhd ("the Company") warrants that it will at all times ensure that the products referred to herein ("the Products") shall be supplied by it to the purchaser free of any manufacturing defects and defective materials used in their manufacture. In the event and if contrary to this assertion the Products proved to be defective, whether as a result of manufacturing defects or arising from the Company's use of defective materials, the Company will supply replacement Products. The Company shall however have the option and may choose to reimburse the purchaser the purchase price of the Products instead. The Company shall not be liable for any economic or consequential losses arising from any use of defective Products. This warranty shall be void unless the purchaser has, in its handling and installation of the Products, complied with the recommendations contained in this brochure and other good building practices expected of a reasonable purchaser.

## ADVISORY NOTE

Successful installations of Hume Cemboard Industries Sdn Bhd's products depend on a large number of factors that are outside of the scope of this brochure. Particular design, detail, construction requirements and workmanship are beyond the control of Hume Cemboard Industries Sdn Bhd. As such, Hume Cemboard Industries Sdn Bhd's warranty does not extend to non-usability of products or damage to products arising from poor or defective designs or systems or poor quality of workmanship in installation of the products.

## HEALTH & SAFETY

Breathing in fine silica dust over time, usually a number of years, may cause bronchitis, silicosis and lung cancer. Wear protective clothing, eye protection (conforming to AS1337) and dust mask (P1 & P2).



Manufactured by:

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