

VERSION: 01

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**LARSEN**

**TILING**

**TECHNICAL DATA SHEET**

# WATERPROOF ANTI-CRACK MEMBRANE

- UNCOUPLING MATTING FOR FLOORS WITH LIMITED MOVEMENT
- EASY TO INSTALL
- FAST TRACK INSTALLATION
- 2 IN 1 WATERPROOFING & UNCOUPLING
- MINIMAL HEIGHT BUILD-UP (<1mm)
- IDEAL WITH UNDERFLOOR HEATING
- 3-PLY MEMBRANE FOR LATERAL MOVEMENT
- COMMERCIAL AND DOMESTIC USE
- 20% LESS ADHESIVE\* \*compared to installation of 'waffle'-type decoupling mats

Larsen Waterproof Anti-Crack Membrane is a low profile membrane providing waterproofing and decoupling for all floor tiling. It is an innovative 3-ply membrane designed to accommodate and decouple lateral movement and stresses in substrates and protect from moisture migration. Ideal for use with timber floors; wet rooms; natural stone; large format tiles; heated floors; cracked floors etc.



For further information, consult our Technical Department.

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## TECHNICAL DATA SHEET

### PRODUCT INFORMATION

SIZE:	20m x 1m rolls
COLOUR:	Black base layer and Blue top face
HAZARD INFORMATION:	No significant Hazard
STORAGE CONDITIONS:	Store in sealed containers in dry conditions, protected from extremes of temperature
SHELF LIFE:	Minimum 24 months in unopened manufacturer's packaging

### APPLICATION INFORMATION

THICKNESS:	0.9mm
WEIGHT:	0.38kg/m <sup>2</sup> Approx. 7.5kg per roll
BOND STRENGTH:	>0.2N/mm <sup>2</sup>
MOISTURE VAPOUR RESISTANCE:	Air Equiv. (sd) ≥ 85m
RESISTANCE TO TEARING:	LONGITUDINAL - 160N/50mm LATERAL - 150N/50mm
BURST PRESSURE:	> 3.0 bar
FIRE CLASSIFICATION: (EN 4102)	B2

## DIRECTIONS FOR USE

### PREPARATION

Larsen Waterproof Anti-Crack Membrane is only suitable for use on floors.

Ensure the substrate is sufficiently level and load-bearing for the tiling installation and duty. It should be free from loose materials, grease, oil etc.

Gypsum based substrates must have a moisture content of less than 0.5%. They must have been mechanically prepared and be primed as follows: first coat Acrylic Primer diluted 1:1 with water and allowed to dry; second coat Acrylic Primer applied neat.

Timber based substrates should be conditioned and sufficiently dry. Existing timber sheet materials should be minimum 15mm flooring grade and screw-fixed at 300mm centres. Floorboards should be screw-fixed to joists at 300mm centres with 2 screws per board width. If insufficient support exists or the floor is subject to excessive deflection or spring, it should be over-boarded with suitable tile backer board or a minimum 15mm plywood overlay prior to the installation of Larsen Waterproof Anti-Crack Membrane.

### APPLICATION

Install with black fleece facing down onto the substrate.

Roll out Larsen Waterproof Anti-Crack Membrane, measure and cut to size without overlap, allowing a 5-10mm expansion joint around the perimeter of the room. Roll sheet back up.

Apply a flexible fast setting tile adhesive to the floor with a 3x3mm or 4x4mm notched trowel. Roll the membrane into the adhesive within the adhesive open time and smooth with a rubber float ensuring there are no air pockets. Butt joint adjoining sheets.

Construction movement joints should be carried through the Larsen Waterproof Anti-crack Mat and tiling installation. Sheets of Larsen Waterproof Anti-crack Mat should be cut to permit this. Where required ensure proprietary movement joints are used particularly in tanked installations.

## DIRECTIONS FOR USE (continued)

### APPLICATION CONTINUED:

When applied as a waterproof layer, all joints and corners should be sealed with Larsen Self-Adhesive Tanking Tape.

The tiles can then be fitted as soon as the tile adhesive has set.

It is recommended to use a flexible adhesive when installing tiles.

### RESTRICTIONS

All tiling should be carried to current best practice including British Standards and TTA Guidance documents.

Larsen Waterproof Anti-Crack Membrane is not suitable for use in areas in continuous immersion, i.e. swimming pools. It cannot be used in place of over-boarding to mitigate the effects of or to eliminate deflection, vibration or other vertical movement. Do not use on walls. It should not be used in place of a functioning DPM. Do not bridge movement joints with Larsen Waterproof Anti-Crack Membrane. Cracks in the substrate greater than 2mm should be adequately filled or injected. It is recommended to always tank the entire room or wet area, not just the floor. Walls may be tanked with Larsen Waterproof Tanking Kit.