

DUROTECH 007FC

HYBRID FAST CURE MEMBRANE



DESCRIPTION

Durotech 007FC is a Class 3 fast curing water based and micro fibre reinforced hybrid waterproofing membrane which provides excellent flexibility and crack bridging capability. It is a 2-coat system to be applied over primed "porous & non-porous" substrates for internal and external under tile applications.

FEATURES AND BENEFITS

- Fast drying. Recoat in 2 hours @ 22°C & 50% RH
- Flood test after 24 hours @ 22°C & 50% RH
- Can be tiled over after 4-6 hours @ 22°C & 50% RH in non-critical areas
- Class III, high elasticity as per AS/NZS 4858 Wet Area Membranes
- Water-based, pre-mixed -ready and easy to use and easy clean up
- Environmentally friendly -LOW VOC and free of respirable silica
- For commercial and residential internal/external wet areas, balconies, decks and other areas that will be tiled over

USE AREA

- As a waterproofing membrane under tile to internal wet area shower, bathroom, kitchen, laundry and toilet areas when installed according to AS/NZ 3740
- Suitable for concrete; cement rendered masonry; FC sheeting; water resistant plasterboard; and structural plywood (Type A Stamped "PAA JAS-ANZ" to AS/NZS 2269- 2004) substrates

PACKAGING

Available in a 4L, 15L pail

COLOURS

Blue

TECHNICAL DATA

Appearance	Heavy thick and high viscous liquid membrane
Odour	mild
Solid content (weight)	68%
Solid content (volume)	60%
Density	1.28 kg/li
Dry to handle per coat (@22°C / 50% RH)	60 minutes
Recoat time per coat (@22°C / 50% RH)	2 -3 hours
VOC (calculated)	0.344 g/l
Shore "A" hardness	Approx. 60
Elongation	350%
Tensile Strength	≥ 1.0 MPa
WVTR (ASTM E 96 Inverted Wet Cup method)	3.530 g/m ² 24hr
%H₂O absorbed after 24 hrs	0.941%
Membrane Rating	Class 3
Flammability	Non-flammable

LIMITATIONS

- Not to be used directly to impervious or non-porous substrates.
- Not suitable for permanent immersed conditions such as pools, spas, and ponds.
- Can not be used as exposed trafficable exterior membrane.
- Can not be applied over damp or wet substrates.
- Not suitable for negative head of water pressure.



COVERAGE RATE

Coverage rate will depend on the porosity of the substrate in which 2 x coats are recommended to achieve optimum performance.

Durotech 007FC is to be applied in a bare minimum of 2 x coats to achieve the approximate 1.2mm Dry Film Thickness. The product can be utilized with a brush or roller. It can be applied using a cross-hatching pattern along with coating in different directions.

A 15L pail will cover 10m² at approximately 1.2mm finished DFT, with a minimum of 2 coats.

SURFACE PREPARATION

- Surfaces must be clean, dry and free from voids, laitance, grease, oil, wax, curing compounds, coatings, adhesive residues or any loose contaminating material.
- New Concrete substrates and render must have a wood float finish and be allowed to cure for a minimum of 28 days. Concrete substrates must not contain moisture greater than 4.5%. Use Tramex CME 4 Moisture Meter. Additional concrete testing maybe be required depending on concrete construction and jobsite location. 2 coats of 2K Moisture barrier primer must be used to seal concrete slabs subject to a hydrostatic head of pressure from the negative side. Moisture Barrier primer must be clean, dry and smooth immediately prior to membrane application.

Sand & cement screeds and polymer modified renders must have cured for a minimum 7 days. A High alkaline resistant primer/sealer is recommended to prime over screed prior to membrane application.

- A reactive mineral primer/sealer like DuroPrime DSP must be applied as a primer coat on all applications to porous or semi porous cementitious substrates.
- Glazed ceramic tiles, Dry rigid plastic & metallic non-porous substrates shall be lightly abraded and then cleaned. Non-Porous Substrates primer like Durotech SSP Pro must be applied as primer coat. Membranes should not be applied until substrates suitability has been assessed and all preparation steps have been completed.

MIX PREPARATION

It is a premix product and ready to use.

However, if products have been stored longer, condensation may occur. Stir contents thoroughly before and during use.

APPLICATION

Apply membrane according to the recommended coverage rate with paintbrush or roller. Allow the first coat to dry for a minimum of 2 hours and a maximum of 6 hours, at temperatures of 22°C and above but below 35°C before recoating. Longer drying times will be required at lower temperatures. Drying times will vary depending on humidity, surface temperature and porosity of substrates.

INSTALLATION OF DUROFABRIC JOINT SEAL TAPE

Measure and cut Durofabric Joint seal Tape for all wall and floor junctions. The first coat of Durotech 007FC to be applied approximately 150mm up the wall and on to the floor, in which the Durofabric Joint Seal Tape is embedded. Install the Joint Seal Tape into wet bed of membrane, ensuring the fabricated edges are completely wet out and critical that no air bubbles exist behind the Joint Seal Tape.

CLEAN-UP & RETURN TO SERVICE

Water can be used to clean up excess product, spills and tools while product is wet. When fully cured, tools and spills can be only removed mechanically.

HEALTH & SAFETY PRECAUTIONS

- SBR Fast Cure WPM is a non-hazardous and non-dangerous product.
- The Safety Data Sheet (SDS) must be read and understood prior to use.

STORAGE CONDITIONS:

Store in dry, weatherproof environment, protected from direct sunlight at temperatures between +5°C and +25°C.

SHELF LIFE

12 months at 20°C in original unopened containers. Protect from freezing.

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