

DUROMASTIC SBR 450 FC

DESCRIPTION

DUROMASTIC SBR 450 FC is a Class 3 fast curing water-based SBR based waterproofing membrane which provides excellent flexibility and crack bridging capability. It is reinforced with carefully selected grade of fine aggregates to give key to the subsequent coatings and tile adhesive. It is a 2-coat system, to be applied over primed "porous and non-porous" substrates for internal and external under tile applications.

FEATURES

- 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 - solvent-free
- 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
- As a waterproofing membrane under tile to external balconies, rooftops & podium levels when installed to AS/NZ 4654.2
- 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

TECHNICAL INFORMATION

Appearance	Heavy thick and high viscous liquid membrane
Odour	mild
Solid content (weight)	65%
Solid content (volume)	57%
Density	1.23 kg/l
Dry to handle per coat (@22° C / 50% RH)	60 minutes
Recoat time per coat (@22° C / 50% RH)	3 hours
VOC (calculated)	0.492 g/l
Shore "A" hardness	Approx. 70
Elongation	>400%
Tensile Strength	≥ 1.0 MPa
Membrane Rating	Class 3
Flammability	Non-flammable

PACKAGING

- Available in a 4L, 15L pail

COLOURS

- Green, Orange and Baby Blue

LIMITATIONS

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

PRODUCT INFORMATION

Coverage

Coverage rate will depend on the porosity of the substrate. Two coats are recommended to get the optimum performance

For floors:

A minimum dry film thickness of 1 mm after 2 coats is required. 15 litres will cover 8.6 sq. meter (based on two coats)

For walls:

A minimum dry film thickness of 0.6 mm after 2 coats is required. 15 Litres pail will cover approximately 14.3 sq. m (based on two 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.

DUROTECH INDUSTRIES

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- 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 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 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.

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.

