

PRODUCT DATA SHEET

DUROTECH™ 007 FC

HYBRID FAST CURE MEMBRANE



DESCRIPTION

DUROTECH™ 007 FC is a Class 3, fast-curing water based and microfibre reinforced hybrid waterproofing membrane, providing excellent flexibility and crack bridging capability. DUROTECH™ 007 FC is a 2 coat system to be applied over primed “porous & non-porous” substrates for internal and external undertile 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 -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; fibre cement (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
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Odour	Mild
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Solid Content (Weight)	68%
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Solid content (Volume)	60%
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Density	1.28 kg/li
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Dry to Handle perCoat (@22°C / 50% RH)	60 minutes
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Recoat Time per Coat (@22°C / 50% RH)	2 -3 hours
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VOC (Calculated)	0.344 g/l
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Shore “A” Hardness	Approx. 60
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Elongation	350%
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Tensile Strength	≥ 1.0 MPa
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WVTR (ASTM E 96 Inverted Wet Cup method)	3.530 g/m2 24hr
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%H₂O absorbed after 24 hrs	0.941%
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Membrane Rating	Class 3
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Flammability	Non-flammable
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PACKAGING

Available in a 15L pail.



COLOUR

Blue.

COVERAGE RATE

Coverage rate will depend on the porosity of the substrate in which 2 x coats are recommended to achieve optimum performance. DUROTECH™ 007 FC is to be applied in a bare minimum of 2 x coats to achieve the approximate 1.2mm Dry Film Thickness. DUROTECH™ 007 FC can be applied via brush or roller. It is best applied using a cross-hatching pattern along with coating in different directions. A 15L pail will cover 10m² at approximately 1.2mm finished dry film thickness (DFT), with a minimum application 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. Signs of laitance and efflorescence must be removed. 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 DUROMIX™ HIBUILD WBE must be used to seal concrete slabs and walls subject to a hydrostatic head of pressure from the negative side. DUROMIX™ HIBUILD WBE must be clean, dry and smooth immediately prior to DUROTECH™ 007 FC application
- Sand & cement screeds and polymer modified renders must have cured for a minimum 7 days. High alkaline resistant primers and or sealers must have the surface prepared and primed with DUROMIX™ HIBUILD WBE (refer to technical data sheet) prior to DUROTECH™ 007 FC application
- For Porous concrete substrates prime with DUROMASTIC™ ARW. Refer to the technical data sheet for application and coverage rates
- For Semi Porous concrete substrate prime with DUOPRIME™ DSP. Refer to the technical data sheet for application and coverage rates

- For Non Porous substrates like glazed ceramic tiles, PVC rigid plastic & metals must be lightly abraded and then cleaned dry. Prime with DUOPRIME™ SSP PRO. Refer to the technical data sheet for application and coverage rate

- DUROTECH™ 007 FC should not be applied until substrate suitability has been assessed by the installer and all preparation steps have been completed as per relevant product or system technical data sheets

MIX PREPARATION

It is a premix product and is ready to use. However it is advised to stir contents thoroughly before use.

APPLICATION

Apply DUROTECH™ 007 FC according to the recommended coverage rate with a thick paintbrush or 11mm nap roller. Allow the first coat to dry for a minimum of 2 hours and a maximum of 6 hours, at temperatures between 22°C and 35°C before applying the 2nd coat at 90° to the first coat. Ensure there are no pinholes or air bubbles on the membrane surface.

Allow the DUROTECH™ 007 FC to dry for a minimum of 24 hours prior to tiling or other finishes at 22°C and 50% relative humidity. Longer drying times will be required at lower temperatures or higher humidity. Drying times will vary depending on humidity, surface temperature and porosity of substrates. Specifications vary according to site conditions and should be taken as a guide only.

INSTALLATION OF DUROFABRIC™ PRE-FABRICATED CORNERS & DUROFABRIC™ JOINT SEAL TAPE

Install DUROFABRIC™ PRE-FABRICATED CORNERS & DUROFABRIC™ JOINT SEAL TAPE onto the fresh DUROTECH™ 007 FC, which serves as the adhesive base. Ensure DUROFABRIC™ JOINT SEAL TAPE is overlapped by at least 5 cm. Use a smoothing trowel to level out any uneven areas or distortions. Apply two or three coats of DUROTECH™ 007 FC and ensure that the tape is fully coated.

CLEANING

Clean tools, equipment and surfaces with water immediately after use, before the product has had a chance to dry. Once dried, removal will require physical scraping and/or prolonged soaking in a detergent and water solution. Fully cured material can only be removed by mechanical means. Always observe relevant OH&S requirements and refer to the Material Safety Data Sheet (MSDS) for safe handling and use.

HEALTH & SAFETY PRECAUTIONS

- DUROTECH™ 007 is a non-hazardous and non dangerous product
- The Material Safety Data Sheet (MSDS) 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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