

DUROTECH D400

CERTIFIED CLASS III MEMBRANE IN ACCORDANCE WITH AS 4858 and AS 4654.1



DESCRIPTION

DUROTECH D400 is a polyurethane modified copolymer acrylic waterproofing membrane specifically formulated for non exposed areas such as bathrooms, laundries, balconies, terraces and other wet areas.

DUROTECH D400 has been tested in accordance with the National Construction Code (NCC) to AS-4858:2010 and AS4654.1 standards ensuring compliance for both internal and external under-tile applications.

DUROTECH D400 once cured forms a class 3 waterproof barrier that is durable, flexible, odourless and a fully bonded seamless membrane that does not re-emulsify when immersed in water.

FEATURES

- High solids
- Fast cure
- 1 pack easy to use
- Low voc
- High strength
- Compatible with Durotech Tile Adhesives

USE AREA

- Internal & External Wet Areas
- Balconies & Decks
- Bathrooms, Kitchens, Laundries
- Roof areas are non exposed

SURFACE

- Concrete and concrete blockwork
- Masonry, brick
- Fibrous cement sheeting
- Particle board that complies with AZ/NZS 1859.1 (when primer with Duromix WBE Hibuild Epoxy Primer)

Note: Duroprime ARW can be used with DUROTECH D400 internally and externally.

TECHNICAL INFORMATION

Drying Time	1 – 2 hours touch dry
Elongation at break	> 300% (Class III Extensibility)
Full Cure at 25°C, 50% R.H.	3 days
Minimum screed & Tiling time at 25°C, 50% R.H.	24 - 48 hours
Colour	Grey

PACKAGING

- 15 Litre



PRIMING

High Moisture Dampness Renders, Screeds and substrates: Apply 1 coat of Duromix Hibuild WBE as a primer in accordance with Product Data Sheet to the prepared substrate.

Durotech ARW can be used in conjunction with DUROTECH D400 internally and externally.

APPLICATION

Do not apply externally if rain is expected presently. Do not apply below 10°C or above 30°C externally. Ensure that the primer coat is completely dry. Apply evenly and check for missed areas and pin-holes. Apply further coats from cross directions after 4 to 6 hours. Recommended and advised to tile over the product for under tile applications within 7 days. Must be top coated with UV exposed Durotech compatible membrane for exposed areas within 7 days.

COVERAGE RATE

TYPE	Internal and External areas
LITRES/m ² FOR EACH COAT	0.75
m ² /PAIS FOR EACH COAT	20
WFT/COAT	0.8mm
NUMBER OF COATS	2
FINISHED DFT (ALL COATS)	1.0mm

PREPARATION

Remove dirt, dust, loose particles, old adhesives and coatings, grime and unsound concrete. Where possible wash down oily, dirt contaminated, or powdery surfaces with dilute detergent, then rinse and dry thoroughly. Allow new concrete and render to fully cure. Ensure all sheeting and surfaces are dry, stable, sound and fully secured. Fix any rising damp problems beforehand. For timber floor surfaces use fibre cement sheeting as a replacement or cover.

Remove or flatten all sharp concrete edges, mortar droppings, screw and nail heads. Prime wall and floor surfaces with Durotech Waterproofing Primer. Etch PVC fittings with plumbers PVC primer.

For larger cracks, expansion joints, floor and pipe penetrations wall or hob junctions, seal neatly with neutral cure silicone sealant (smooth curved 12mm bead), and when cured apply membrane fabric reinforcement as explained below.

DETAILING

Apply Durotech Duroseal 25C or Duroseal 50FC (a flexible polyurethane sealant) and tool off to form a solid covered 45 fillet extending 12mm on to the adjacent surfaces. Allow to cure. Apply the Durotech membrane directly over the sealant and on the adjacent surfaces.

For Additional waterproofing protection or expansion joint requirements the following additional steps may be taken. Lay a strip of Durotech flashing Tape (self-stick, butyl mastic waterproofing membrane or with a polyester backed reinforcing fabric) over the cured polyurethane sealant pressing it firmly on the surface. Apply the Durotech membrane directly over the tape and on the adjacent surfaces.

BOND BREAKER

- When installing bond breakers use Durotech sealants.
- Bond breaker is to be installed over the dry primer coat where a bond breaker joint is required.
- Bond breaker joints must be a minimum 12mm x 12mm coved bead of sealant.

CLEAN UP

Before drying, clean up with water. Scrape off when dry or use paint stripper for spot removal.

SHELF LIFE

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

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