PRODUCT DATA SHEET

DUROTECH™ D400

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

DUROTECH
Commercial Waterproofing & Sealants



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

- Internal & External Wet Areas
- Balconies & Decks
- Bathrooms, Kitchens, Laundries
- Non-exposed roof areas

SUBSTRATES

- Masonry, brick
- Fibrous cement sheeting
- Particle board that complies with AZ/NZS 1859.1 (when primed with DUROMIX™ HIBUILD WBE)

Note: DUROMASTIC 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 & 0 Tiling time at 25 C, 50% R.H	24 - 48 hours
Colour	Grey

PACKAGING

- 15 Litre

PRIMING

High Moisture Dampness over 5% in renders, screeds and substrates: Apply 2 coats of DUROMIX™ HIBUILD WBE as a moisture barrier in accordance with the technical data sheet. DUROMASTIC™ ARW can be used in conjunction with DUROTECH™ D400 internally and externally.

AUSTRALIAN MADE SINCE 1977

SINCE 1977
Trialled • Tested • Approved

APPLICATION

Do not apply externally if rain is expected within 24 hours. 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 at right angles to the previous coat after 4 to 6 hours. It is recommended and advised to tile over DUROTECH™ D400 within 7 days. DUROTECH™ D400 must be top coated with UV exposed DUROTECH™ compatible membrane for exposed areas within 7 days.

COVERAGE RATE

TYPE	Internal and External areas
LITRES/m² FOR EACH COAT	0.75
m²/PAILS FOR EACH COAT	20
WFT/COAT	0.8mm
FINISHED DFT (ALL COATS)	1.0mm

PREPARATION

Remove dirt, dust, loose particles, old adhesives, coatings, grime and unsound concrete. Where possible wash down oily, dirt contaminated, or powdery surfaces with dilute detergent, then rinse and dry thoroughly. All new concrete and render must be fully cured. Ensure all sheeting and surfaces are dry, stable, sound and fully secured. Fix any rising damp problems beforehand. For timber floor surfaces use an approved fibre cement sheeting as a replacement. Remove or flatten all sharp concrete edges, mortar droppings, screw and nail heads. Prime wall and floor surfaces with DUROTECH™ suitable primer. Primers will vary depending on the substrate.

Prime PVC fittings with DUROPRIME™ SSP PRO. For larger cracks, expansion joints, floor and pipe penetrations wall or hob junctions, seal neatly with DUROSEAL™ HYBRID sealant (smooth curved 12mm bead), and when cured apply membrane fabric reinforcement as explained below.

DETAILING

Apply DUROSEAL™ 25C, DUROSEAL™ HYBRID FC or DUROSEAL™ 50FC and tool off to form a solid fillet internally 12mm x 12mm or externally 15mm x 15mm. Apply DUROTECH™ D400 directly over the sealant and on the adjacent surfaces

BOND BREAKER

When installing bond breakers use DUROSEAL™ 25C, DUROSEAL™ HYBRID FC or DUROSEAL™ 50FC.The 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 for internal applications & 15mm x 15mm for external applications at a 45 degree angle.

CLEAN UP

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

SHELF LIFE

12 months at 200C in original unopened containers. Protect from freezing.

SAFETY

DUROTILE™ PRO contains cement, which can be irritating to the skin and eyes. During use, avoid inhalation of dust and contact with the skin and eyes. Wear suitable clothing, gloves, eye protection and respiratory protective equipment.

If contact with the skin occurs, thoroughly clean the area with plenty of fresh water and soap. In case of contact with the eyes rinse with plenty of fresh water and seek medical advice. If swallowed, seek medical attention immediately. Do not induce vomiting.

For further information consult the Material Safety Data Sheet and read the product label carefully before use.

LIMITATIONS

Do not use:

- On wooden, PVC, rubber, linoleum, metal or painted substrates;
- For the installation of moisture sensitive stone or agglomerates

Please Note: The information given in this data sheet is based on our current knowledge of the product when properly stored, handled and applied. We cannot guarantee that the product will be suitable, effective or safe when used for any purpose other than its stated uses. To the extent that it is lawful, we exclude warranties implied by law and limit our liability to the cost of replacing the product. We accept no responsibility for loss or injury caused by improper use, incompetent preparation, inexpert or negligent application, or ordinary wear and tear. Service or advice given by our staff should not amount to responsibility for the project - since the owner, or their contractor (and not DUROTECH™), is responsible for procedures relating to the application of the product.

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