



## High Performance **Flex-300** Under-Tile Waterproof Membrane

### DESCRIPTION

Crommelin<sup>®</sup> High Performance Flex-300 Under-tile Waterproof Membrane is an exceptionally flexible, 2 part cementitious, positive side waterproof membrane which is formulated to deliver superior substrate adhesion and rapid re-coat and tile-over times.

Crommelin<sup>®</sup> High Performance Flex-300 Under-tile Waterproof Membrane is a 2 part kit, consisting of part 1 of 10kg liquid and part 2 of 10kg powder. Do not use either part 1 or part 2 individually.

### FEATURES AND BENEFITS

- Class 3 – high elongation and permanent flexibility.
- Rapid re-coat after as little as 30 minutes.
- Rapid tile over after just 12 hours.
- Highly durable formula.
- Easy 1:1 mixing ratio, by weight.
- Suitable for use with all cement based tile adhesives that comply with AS 2358.
- Convenient project size kit, for easy mixing in 20L container.
- 1 kit suitable to waterproof 2 standard shower recesses.

### AREAS OF USE

High Performance Flex-300 Under-tile Waterproof Membrane is suitable for use in the following areas:

- Showers & Bathrooms
- Kitchens, Laundries & Wet Rooms
- Balconies & Patios
- Walls & Floors

### SUITABLE SUBSTRATES

High Performance Flex-300 Under-tile Waterproof Membrane is suitable for application on:

- Concrete & Masonry
- Cement Renders & Screeds
- Plaster Board & Wet Area Gyprock
- Plywood Sheeting & Wet Area Particle Board



## APPLICATION TOOLS

- Crommelin<sup>®</sup> Contractor Membrane Applicator Brush
- Crommelin<sup>®</sup> Contractor Membrane Roller Cover

## SURFACE PREPARATION

Full surface preparation instructions can be found at [www.crommelin.com.au/full-instructions/](http://www.crommelin.com.au/full-instructions/)

- Ensure all substrates have been installed as per manufacturer's instructions.
- Substrate must be dry, with no standing water, with less than 15% moisture content. The use of a suitable moisture meter is recommended.
- Surfaces must be clean, free of all contaminants including dust, oil, grease, loose particles, manufacturing or placement compounds.
- Crommelin<sup>®</sup> High Performance Flex-300 Under-tile Waterproof Membrane may be applied to thoroughly clean, dry and dust free surfaces without priming. Adhesion testing is recommended before full application.
- For maximum membrane adhesion, surface priming with 1:1 Crommelin<sup>®</sup> High Performance Bonding Agent and water is recommended.
- If substrate is not dry, prime with 2 coats of Crommelin<sup>®</sup> Dampstop, as per recommended coverage rates.

## PRODUCT PREPARATION

- It is recommended to always mix an entire kit.
- Add part 1 of 2 (10kg liquid) to a clean 20L mixing bucket.
- Slowly add part 2 of 2 (10kg powder) while mixing with a mechanical mixer.
- Continue to mix until homogeneous, taking care not to entrain air.
- Allow the mix to stand for 2 minutes, then mix for a final 30 seconds before use.

**Note: If mix has started to dry before placement, do not add water or additional liquid to the mix. Discard mix and prepare a fresh batch.**

## APPLICATION CONDITIONS

- Application temperature between 7°C and 35°C.
- Humidity must be below 85% during application and initial cure phase.
- Protect placement areas from direct sunlight and wind during cure.
- Do not apply externally if rain is expected before full cure.

**Note: In humid conditions, air flow should be maximised with the use of fans to assist cure. Low temperatures and low air flow will extend re-coat and full cure times.**



## APPLICATION

Full application instructions can be found at [www.crommelin.com.au/full-instructions/](http://www.crommelin.com.au/full-instructions/)

- All wall to wall, wall to floor and construction joints, and floor wastes and protrusions must be sealed with a suitable flexible sealant such as Crommelin<sup>®</sup> Polyurethane Sealant or Crommelin<sup>®</sup> Silicone WP Plus and reinforced with Crommelin<sup>®</sup> Reinforcing Bandage.
- High Performance Flex-300 Under-tile Waterproof Membrane must be applied in 2 coats.
- Apply coat 1, as per recommended coverage rates, and allow to dry.
- Apply coat 2, at 90 degrees to coat 1, as per recommend coverage rates and allow to dry.
- For floor and general wet area applications, High Performance Flex-300 Under-tile Waterproof Membrane should be applied to the entire floor area and walls to a height of 150mm.
- For shower applications, High Performance Flex-300 Under-tile Waterproof Membrane should be applied to the entire floor area and walls to a height of 1.8m.
- In all applications, a continuous seamless membrane must be applied.

## RE-COAT/CURE TIME (AT 25°C AND 50% HUMIDITY)

- Pot life approximately 1 hour, dependent upon mix temperature. (Kits should be cooled to ambient temperature prior to mixing, do not mix hot material.)
- Re-coat between 30 minutes to 2 hours.
- Tile over after 12 hours.
- Minimum of 3 days required before pond testing. (Up to 5 days at 10°C.)
- Drying times will depend upon temperature, humidity and air flow.
- Drying times may be extended in corners or other areas of thick application.

## COVERAGE

- Coverage is dependent upon surface profile and substrate porosity. Porous substrates and uneven surfaces may require higher coverage rates to achieve consistent specified film thicknesses.
- 20kg kit is sufficient to waterproof 2 standard shower recesses.
- For application on walls and other drained surfaces;
  - Minimum of 2 coats.
  - Minimum 0.6L / m<sup>2</sup> (0.9kg / m<sup>2</sup>) per coat.
  - Total minimum dry film thickness of 0.8mm.
  - 20kg kit will cover approximately 12m<sup>2</sup> of walls at the above application rate.
- For application on floors and other immersed applications;
  - Minimum of 2 coats.
  - Minimum 1.0L / m<sup>2</sup> (1.3kg / m<sup>2</sup>) per coat.
  - Total minimum dry film thickness of 1.2mm.
  - 20kg kit will cover approximately 8m<sup>2</sup> of floors at the above application rate.



## CLEAN UP

- Clean all tools and application equipment immediately with water.
- Cured material may be removed mechanically.

## RELATED PRODUCTS

- Crommelin<sup>®</sup> Contractor Membrane Applicator Brush – 100mm, 75mm
- Crommelin<sup>®</sup> Contractor Membrane Roller Cover – 230mm
- Crommelin<sup>®</sup> Moisture Meter
- Crommelin<sup>®</sup> Contractor Polyurethane Sealant – 600ml
- Crommelin<sup>®</sup> Silicone WP Plus – 300ml
- Crommelin<sup>®</sup> High Performance Bonding Agent (as a primer for dry, absorbent substrates) – 1L
- Crommelin<sup>®</sup> Dampstop (as a primer for damp substrates) – 2L Kit.
- Crommelin<sup>®</sup> Reinforcing Fabric
- Crommelin<sup>®</sup> Reinforcing Fabric with Bond Breaker

## MAINTENANCE AND REPAIR

- Crommelin<sup>®</sup> High Performance Flex-300 Under-tile Waterproof Membrane must be protected from damage by after trades and inspected prior to the application of any over coat.
- Moisture blisters and bubbles may be repaired by cutting out the affected area, allowing substrate to properly dry and reapplication of membrane as per recommended coverage rates.
- Protect membrane from harsh chemicals, abrasion and other potentially damaging conditions.

## PRECAUTIONS

- Ensure substrate is dry, clean and free from containments before application.
- Ensure adequate surface preparation is carried out to allow even application.
- Do not apply during periods of extreme weather conditions – temperature or humidity. Apply between 7<sup>0</sup>c and 35<sup>0</sup>c and under 85% humidity. To check these conditions, refer to <http://www.bom.gov.au>.

## TRANSPORT AND STORAGE

- Size: 2 part - 10kg liquid and 10kg powder
- Weight: 21kg
- DG Class: N/A
- Flash Point: N/A
- UN Number: N/A
- Cool and Dry Storage



High Performance

# Flex-300

Under-Tile Waterproof Membrane

**Crommelin**<sup>®</sup>  
Waterproofing & Sealing



## SAFETY AND FIRST AID

Crommelin<sup>®</sup> High Performance Flex-300 Under-tile Waterproof Membrane Data Sheet is available from Crommelin<sup>®</sup> upon request.

### Safety

- Ensure good ventilation and avoid breathing vapours.
- Avoid skin and eye contact. Wear gloves and eye protection. Remove splashes on skin immediately and remove contaminated clothing.
- Keep out of reach of children.
- Keep container sealed when not in use.
- Do not swallow.

### First Aid

- If poisoning occurs, contact a doctor or poisons information centre: Ph. 13 11 26.
- If swallowed, do not induce vomiting. Give a glass of water to drink.
- If in eyes, hold eyes open and flood with water for at least 15 minutes.
- If not breathing, apply artificial respiration.

Crommelin<sup>®</sup> and other marks followed by ® are registered trademarks.

Any advice, recommendation, information, assistance or service provided by Crommelin<sup>®</sup> in relation to its products or their use is given in good faith, however is provided without responsibility or liability.

Customers need to undertake their own assessment to determine the suitability of a product for the intended use. As the performance of any product is subject to a wide variety of different surface types as well as environmental and surface-specific conditions, it is essential that a sample of the product be applied to the intended area of use to ensure it is acceptable in appearance and finish and that it performs as required on the specific surface.

Crommelin<sup>®</sup> also reserves the right to update information without prior notice, to reflect ongoing research and product development.



**7 Day Technical Support 1800 655 711**

72 Division Street, Welshpool Western Australia 6106 T +61 8 9458 5711 F +61 8 9451 4749  
service@crommelin.com.au www.crommelin.com.au