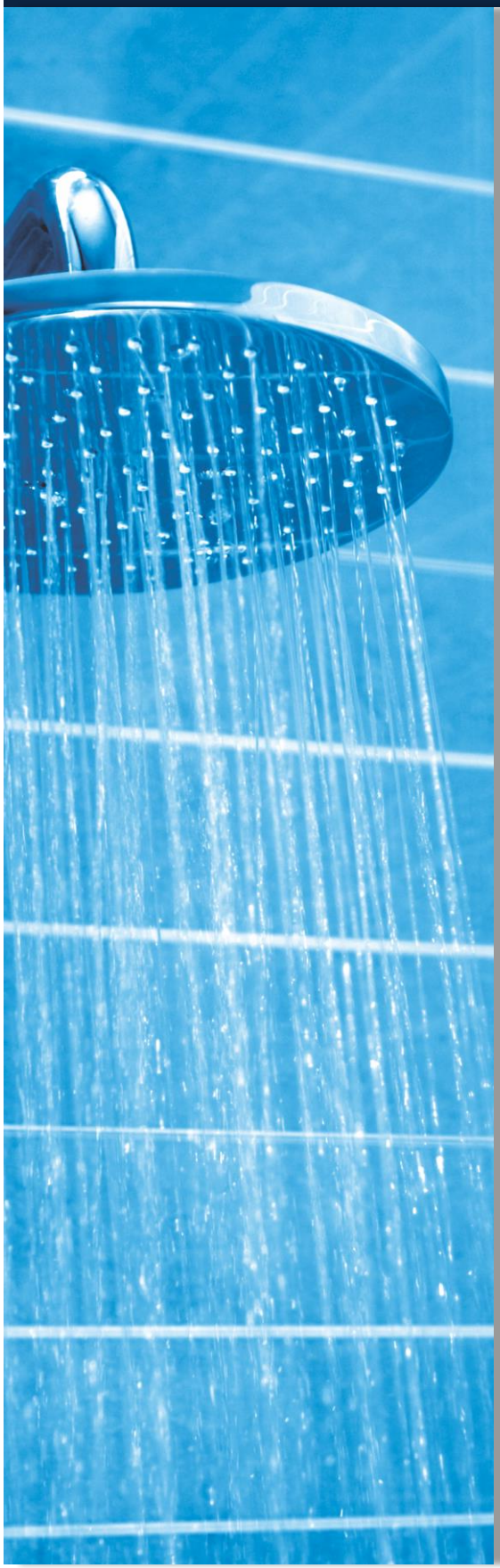
Crommelin®
Waterproofing & Sealing



One Coat
Rapid Under-tile Waterproofing Membrane

DESCRIPTION

Crommelin® ONE COAT Rapid Under-tile Waterproofing Membrane is a premium; heavy-duty liquid applied waterproofing membrane, formulated to permanently waterproof wet areas prior to tiling.

Crommelin® ONE COAT Rapid is Polyurethane modified for exceptionally high flexibility and reinforced for maximum strength and durability.

Crommelin® ONE COAT Rapid complies with AS 4858 and AS 3740 requirements, and is suitable for use with all cement based tile adhesives that comply with AS 2358.

FEATURES AND BENEFITS

- One coat application.
- Polyurethane modified.
- Premium long-term performance.
- Permanent flexibility.
- Over 300% elongation.
- Seamless application.
- Leak free performance.
- Excellent primer-less adhesion.
- Suitable for all interior and exterior under-tile applications.
- Dries to a keyed finish, promoting tile adhesive bond.
- High coverage, up to 2m^2 per litre.

AREAS OF USE

ONE COAT Rapid Under-tile Waterproofing Membrane is suitable for use in the following areas:

- Showers.
- Bathrooms.
- Laundries.
- Balconies.
- Patios.
- Kitchens.
- Podiums.
- Interior & exterior.
- Walls & floors.

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SUITABLE SUBSTRATES

ONE COAT Rapid Under-tile Waterproofing Membrane is suitable for use on the following surfaces:

- Concrete & Masonry.
- Cement Renders & Screeds.
- Plaster Board & Wet Area Gyprock.
- Compressed Fibre Cement Sheeting.
- Timber.
- Steel – suitably prepared.
- Plywood Sheeting & Wet Area Particle Board.

Note: Not suitable for application directly on to white-set plaster. Prime area first with 1 coat of Crommelin® Next Day New Concrete Sealer and allow to dry.

APPLICATION TOOLS

- Crommelin® Contractor Membrane Applicator Brush – 100mm, 75mm.
- Crommelin® Contractor Membrane Roller Cover – 230mm.

SURFACE PREPARATION

Full surface preparation instructions can be found at www.crommelin.com.au/full-instructions/

- Concrete must have cured for at least 28 days, screeds and renders 7 days.
- All substrates must be installed as per manufacturer's recommendations.
- The surface should have a light even texture. Masonry should be flush pointed and all defects in existing surfaces made good.
- **Surfaces must be clean,** dry, sound and free from dust, grease, curing compounds, release agents, loose particles, efflorescence, concrete laitance or any other contaminants.
- All high points and protrusions should be removed, blowholes and areas of honeycombing should be filled and the surface brought back to an even profile using a suitable repair mortar.
- **All surfaces must be dry.** A moisture test is required 100% of the time to ascertain if the substrate is dry enough to coat. Electronic moisture meters are recommended.
- Prime porous surfaces with either **Crommelin® Waterproofing Membrane Surface Primer** or a 1:1 dilution of **ONE COAT Rapid Under-tile Waterproofing Membrane** and water and allow to dry.
- Prime non-porous surfaces with **Crommelin® Tile on Tile Primer** as per directions.
- If substrate is not dry, prime surface with **Crommelin® Dampstop** as per directions.

PRODUCT PREPARATION

- **ONE COAT Rapid Under-tile Waterproofing Membrane** is ready to use, simply stir well prior to application.

APPLICATION CONDITIONS

- Do not apply if surface/ambient temperatures are too high or too low. Recommended temperature range 7^0c - 35^0c.
- Do not apply if humidity is too high, or likely to be during the initial cure phase. Maximum recommended humidity during application and cure is 85%.
- Weather details may be checked at http://www.bom.gov.au.
- Ensure adequate airflow is provided to assist cure, the use of fans during preparation, application and cure is recommended.

APPLICATION PROCESS

Full application instructions can be found at www.crommelin.com.au/full-instructions/

- Bond breaking sealant/tape to all joints, junctions, protrusions, angles and internal corners **must** be used. The use of **Crommelin® Hybrid MS Polyurethane Sealant**, **Crommelin® Silicone WP Plus / Crommelin® Reinforcing Fabric with Bond Breaker / Crommelin® Reinforcing & Bond Breaking Corners, Tape or Sleeves** is recommended.
- The use of **Crommelin® Reinforcing Fabric** is also recommended for use at all junctions to protect vulnerable areas from damage. Ensure full membrane cover over the fabric.
- Apply one coat evenly across entire area, as per recommended coverage rates and allow to dry.
- Inspect membrane once dry and before tiling. If any pinholes, cracks or other uneven application is present, apply additional coats.
- Ensure membrane is protected from damage before tiling.

RE-COAT/DRYING TIME

- Re-coat when touch dry, after approximately 1-2 hours.
- Tile over when completely dry - after approximately a minimum of 4 hours on walls, and 12 hours on floors.
- Flood test after 48 hours, pond to a depth of 25mm for 2 hours and remove testing water immediately.
- Full cure 7 days.
- Ensure good airflow to optimise membrane cure time.
- Re-coat and cure times will increase with reduced temperature, high humidity and low airflow.

COVERAGE

- Walls – minimum $2m^2$/L per coat – 1 coat required.
- Floors – minimum $1m^2$/L per coat – 1 coat required.
- Note: Complex or highly irregular surfaces may require additional coats.

CLEAN UP

- Clean all equipment with water before product dries.
- Uncured material may be removed with warm water and detergent.

SIZES

ONE COAT Rapid Under-tile Waterproofing Membrane is available in 1L, 4L and 15L pails.

- 1L produces up to $1m^2$ of finished membrane on floors, and $2m^2$ of finished membrane on walls.
- 4L produces up to $4m^2$ of finished membrane on floors, and $8m^2$ of finished membrane on walls.
- 15L produces up to $15m^2$ of finished membrane on floors, and $30m^2$ of finished membrane on walls.

RELATED PRODUCTS

- Crommelin® Moisture Meter.
- Crommelin® Contractor Membrane Applicator Brush – 100mm, 75mm.
- Crommelin® Contractor Membrane Roller Cover – 230mm.
- Crommelin® Dampstop.
- Crommelin® Reinforcing Fabric with Bond Breaker.
- Crommelin® Reinforcing Fabric.
- Crommelin® Polyurethane Sealant.
- Crommelin® Silicone WP Plus.

PRECAUTIONS

- Ensure substrate is completely dry before application.
- Ensure adequate surface preparation is carried out to allow even application.
- Ensure a trial patch is applied to ensure suitability and desired result is achieved.
- Do not apply during periods of extreme weather conditions – temperature or humidity. Apply between 7^0c to 35^0c and less than 85% humidity. To check these conditions, refer to http://www.bom.gov.au

TRANSPORT AND STORAGE

- Size: 1L, 4L, 15L
- Weight: 1.5kg, 5.5kg, 20.5kg
- Cool and Dry Storage
- UN Number: N/A
- DG Class: N/A
- Flash Point: N/A
- Hazchem Code: N/A
- Poisons Schedule: N/A

SAFETY AND FIRST AID

Crommelin® ONE COAT Rapid Under-tile Waterproofing Membrane Safety Data Sheet is available from Crommelin® 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.

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Any advice, recommendation, information, assistance or service provided by Crommelin® 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® also reserves the right to update information without prior notice, to reflect ongoing research and product development.