PRO-500 WP

Rapid Under-tile

Waterproof membrane, class III high elongation.

DESCRIPTION

Crommelin® PRO-500 WP is a commercial grade, fast re-coat, heavy duty liquid applied waterproofing membrane, formulated to permanently waterproof wet areas prior to tiling.

Crommelin® PRO-500 WP is reinforced for maximum strength, whilst delivering exceptionally high flexibility and elongation.

FEATURES AND BENEFITS

- Multi-purpose use, suitable for all under tile applications.
- Polyurethane modified for fast re-coating and easy film build.
- Seamless application for leak free performance.
- Permanent flexibility.
- High elongation, over 300% - Class 3.
- Excellent substrate adhesion.
- Dries to a keyed finish to promote direct tile adhesion.
- High Coverage.
- Complies with AS 3740 – Waterproofing wet areas.
- Complies with AS 4654 – Waterproofing external above ground building elements.
- Complies with AS 4020 – Products for use with drinking water.
- Suitable for use in conjunction with all cement based tile adhesives that conform to AS2358.
- BRANZ appraised No. 1199/2000 (2022) Internal Wet Areas and External Balcony & Deck Waterproofing.

AREAS OF USE

PRO-500 WP is suitable for use in the following areas:

- Showers.
- Bathrooms.
- Laundries.
- Walls & Floors.
- Balconies.
- Patios.
- Wet Rooms.
- Interior & Exterior.

SUITABLE SUBSTRATES

PRO-500 WP 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 use with white-set plaster.

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.
- 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, blow-holes and areas of honeycombing should be filled and the surface should be 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.
- If minor surface consolidation is required, apply 1 coat of 1:1 dilution of **PRO-500 WP** and water and allow to dry.
- If a greater amount of surface consolidation is required, apply one coat of **Crommelin® Waterproofng Membrane Surface Primer** as per recommended application rates.
- If substrate is not dry, prime surface with **Crommelin® Dampstop** as per specifications.

PRODUCT PREPARATION

- **PRO-500 WP** 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.

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 Sealant**, **Crommelin® Silicone and Bond Breaker Sealant** or **Crommelin® Reinforcing Fabric with Bond Breaker** is recommended.
- The use of **Crommelin® Reinforcing Fabric** is also recommended for use at all junctions to protect vulnerable areas from damage.
- Apply first coat evenly, as per recommended coverage rate and allow to dry.
- Re-coat when touch dry, after approximately 1 hour.
- Apply second coat evenly, at 90° (right angles) to first coat and allow to dry.
- Ensure membrane is protected from damage before tiling.

RE-COAT/DRYING TIME @ 25°C / 50% RH

- Recoat time: 1-2 hours.
- Tile over: after a minimum of 24 hours.
- 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.

COVERAGE

- 0.62kg/m^2 per coat – minimum 2 coats required.
- Or 2m^2 / L per coat – minimum 2 coats required.
- 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

PRO-500 WP is available in 15kg pail.

- 15kg produces 12.5m^2 of finished membrane.

RELATED PRODUCTS

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

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 and 35^0c and less than 85% humidity. To check these conditions, refer to http://www.bom.gov.au

WARRANTIES

- A standard warranty period of 10 years is offered for Crommelin® PRO-500 WP®.
- Extended warranties are available for project specific applications. Please contact your Crommelin® representative, or the Crommelin® technical support team for detailed specifications applicable to your project and warranty requirements.

TRANSPORT AND STORAGE

- Size: 15kg
- Weight:16kg
- 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® PRO-500 WP 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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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.