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Crommelin®

PRO-500 WP

Grey Undertile Waterproof Membrane

Description

Crommelin® PRO-500 WP is a premium, rapid re-coat, polyurethane modified, 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 & 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 – 15kg produces 12m² of finished membrane.
- 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.

Areas of Use

Crommelin® Pro-500 WP is suitable for use in the following areas:

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



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Substrates

Crommelin® Pro-500 WP is suitable for use in the following areas:

- Concrete & masonry.
- Cement renders & screeds.
- Plaster board & wet area Gyprock.
- Plywood sheeting & wet area particle board.
- Compressed fibre cement sheeting.
- Timber.
- Steel – suitably prepared.
- Note: Not suitable for use with White-set plaster.

Application Tools

- Crommelin® Membrane Applicator Brush.
- Crommelin® Membrane Applicator Roller.

Surface Preparation

- Concrete must have cured for at least 28 days, screeds and renders 7 days.
- Surfaces must be dry, clean, sound and contaminant free.
- High points should be removed, surface defects made good and masonry flush pointed.
- Crommelin® PRO-500 WP may be applied to thoroughly cleaned, dry and dust free surfaces without priming.
- If minor surface consolidation is required, apply 1 coat of 1:1 water: Crommelin® PRO-500 WP and allow to dry.
- If a greater degree of surface consolidation is required, apply 1 coat of Crommelin® Powerflex as per recommended application rates.
- Damp surfaces may be primed with 2 coats of Crommelin® Dampstop.

Application

- Application temperature between 7°C and 35°C.
- Humidity below 85% during application and initial cure.
- Do not apply externally if rain is expected within 24 hours.
- Ensure adequate air flow is provided to assist cure, the use of fans during preparation, application and cure is recommended.
- Due to the wide variety of substrates available, adhesion testing is recommended in a trial area before full application.
- Bond breaking sealant / tape to all joints, junctions, protrusions, angles and internal corners must be used. The use of Crommelin® Polyurethane Sealant, Crommelin® Silicone WP Plus 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 coat 1 evenly as per recommended coverage rate and allow to dry.
- Re-coat when touch dry, after approximately 1 hour.
- Apply coat 2 evenly, at 90° (right angles) to coat 1 and allow to dry.
- Ensure membrane is protected from damage before tiling.

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Re-coat / Cure Time (at 25°C and 50% humidity)

- 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.
- Re-coat and cure times will increase with reduced temperature, high humidity and low air flow.

Coverage

- 0.62kg/m² per coat – minimum 2 coats required.
- 15kg produces 12m² of finished membrane.
- Complex or highly irregular surfaces may require additional coats.

Clean Up

- Clean all tools and application equipment with water before product cures.
- Uncured material may be removed with warm water and detergent.
- Cured material may only be softened with Crommelin HD Cleaner and removed mechanically.

Sizes

- Crommelin® PRO-500 WP is available in 15kg pails.

Related Products

- Crommelin® Contractor Applicator Brush – 100mm / 75mm.
- Crommelin® Powerflex (as a primer for dry, absorbent substrates) – 4L / 15L.
- Crommelin® Dampstop (as a primer for damp substrates) – 2L Kit.

Maintenance & Repair

- Crommelin® PRO-500 WP 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 completely dry 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 5°C and 35°C and under 85% humidity. To check these conditions, refer to <http://www.bom.gov.au>.

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Transport and Storage

- Size: 15kg.
- DG Class: Not applicable.
- UN Number: Not applicable.
- Gross Weight: 16kg.
- Flash Point: Not applicable.
- Cool and dry storage.

Safety and First Aid

Crommelin® PRO-500 WP safety data sheet 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 and away from animals and fish.
- Keep container sealed when not in use.

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 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 particular use intended. 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.