



## PRO- 400 WP

# Roof and Wall

Waterproof membrane, high UV resistant & anti-carbonation protection.

### DESCRIPTION

Crommelin® PRO-400 WP is an ultra-premium, high UV resistant, elastomeric, liquid applied waterproofing membrane and effective anti-carbonation coating.

Crommelin® PRO-400 WP is suitable for use in all above ground and permanently high UV exposed situations, providing premium long term waterproofing and anti-carbonation protection for roof tops, walls, parapets and balconies etc. Tough and durable performance, suitable for pedestrian traffic.

### FEATURES AND BENEFITS

- Highly durable with long term UV resistance.
- Seamless application for leak free performance.
- Permanent flexibility, tough and trafficable.
- Effective concrete anti-carbonation coating.
- Excellent resistance to dirt pick up and algal growth.
- Suitable for over-coating with acrylic paints.
- Green Star – Design & As Built v1.1: Indoor Pollutants 13.1.
- APAS 181 – Low VOC limits.
- AS4654.1 – Waterproofing membrane systems for exterior use – above ground level, Part 1.

Note: Not suitable for use in areas of permanent water immersion or to be tiled over.

### AREAS OF USE

PRO-400 WP is suitable for use in the following areas:

- Concrete & metal roof areas
- External walls
- Balconies
- Parapet walls
- Decks



## SUITABLE SUBSTRATES

**PRO-400 WP** is suitable for use on the following surfaces:

- Concrete, masonry & cement renders.
- CFC sheeting and lightweight aggregate blocks.
- Timber & plywood sheeting.
- Steel – suitably prepared.
- Metal roof sheeting.

## 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/](http://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.
- Corroded metal should be wire brushed and treated with an anti-corrosion primer.
- 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 2:1 dilution of **PRO-400 WP** and water and allow to dry.
- Painted areas should be primed with 1 coat of **Crommelin® Slate Sealer** and allowed to dry for 24 hours.
- If substrate is not dry, prime surface with **Crommelin® Dampstop** as per specifications.
- Exposed reinforcing bar should be cleaned of rust and suitably prepared prior to over-coating.

## PRODUCT PREPARATION

- **PRO-400 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°C - 35°C.
- 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/](http://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® 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 first coat evenly, as per recommended coverage rate and allow to dry.
- Re-coat when touch dry, after approximately 4-6 hours.
- Apply second coat evenly, at 90° (right angles) to first coat and allow to dry.
- Ensure membrane is protected from damage before any over-coating.

## RE-COAT/DRYING TIME @ 25°C / 50% RH

- Recoat time: 4-6 hours.
- Full cure: 7 days.
- Ensure good airflow to optimise membrane cure time.

## COVERAGE

- Trafficable waterproofing membrane – 1.6m<sup>2</sup> / L per coat – minimum 2 coats required. Wet film thickness 625 microns.
- Anti-carbonation coating – 4.8m<sup>2</sup> / L per coat – minimum 2 coats required. Wet film thickness: 210 microns.
- Complex or highly irregular surfaces may require additional coats.
- A non-slip finish can be achieved by applying a third coat at 1.6m<sup>2</sup> / L with **Crommelin® Silica 300 Aggregate** mixed in at 400g / 15L.

## CLEAN UP

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

## SIZES

**PRO-400 WP** is available in 15L pails.

- 15L produces 12m<sup>2</sup> of finished trafficable waterproofing membrane.
- 15L produces 36m<sup>2</sup> of an anti-carbonation coating.

## RELATED PRODUCTS

- **Crommelin® Moisture Meter.**
- **Crommelin® Contractor Membrane Applicator Brush – 100mm, 75mm.**
- **Crommelin® Contractor Membrane Roller Cover – 230mm.**
- **Crommelin® Dampstop.**
- **Crommelin® Slate Sealer.**
- **Crommelin® Silica 300 Aggregate.**





## 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<sup>0</sup>c and 35<sup>0</sup>c 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-400 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: 15L     | • Weight: 19kg     | • Cool and Dry Storage | • UN Number: N/A        |
| • DG Class: N/A | • Flash Point: N/A | • Hazchem Code: N/A    | • Poisons Schedule: N/A |

## PRODUCT APPEARANCE

- PRO-400 WP is grey in colour.

## SAFETY AND FIRST AID

Crommelin® PRO-400 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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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.

