



Trowel on Waterproofing

Cementitious negative side and damp surface waterproofing membrane.

DESCRIPTION

Crommelin[®] Trowel on Waterproofing is a two-component, flexible cementitious waterproofing membrane formulated for use in both positive and negative side waterproofing applications and for use on damp substrates.

Component A is a water based acrylic resin. Component B is a mortar based on a mixture of cements, tough fibres, additives and well-graded aggregates.

FEATURES AND BENEFITS

- Positive and negative side waterproofing.
- Suitable for use on damp substrates.
- High abrasion resistance and UV stability.
- Excellent adhesion to wide variety of substrates.
- Good flexibility.
- Resistant to high negative hydrostatic pressure.
- Anti-fracture membrane between substrate and other finishing coats.
- Crack bridging – hairline and shrinkage cracks.
- Carbonation and electrochemical corrosion protection.
- Non-toxic and chloride free, potable water safe.

AREAS OF USE

Trowel on Waterproofing is suitable for use in the following areas:

- Basements & Tunnels.
- Retaining Walls.
- Planter Boxes
- Balconies.
- Foundations.
- Swimming Pools.
- Water Retaining Structures.
- Podium Decks.



SUITABLE SUBSTRATES

Trowel on Waterproofing is suitable for use on the following surfaces:

- Concrete.
- Stone.
- Concrete Blocks.
- Render.
- Light Weight Aggregate Block.
- Brick.

APPLICATION TOOLS

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

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, 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.
- Install a fillet of 1 : 3 cement and sand at all internal masonry angles.
- Bond breaking sealant to all joints, junctions, protrusions, angles and internal corners must be used. The use of **Crommelin[®] Polyurethane Sealant**, **Crommelin[®] Silicone WP Plus** is recommended.
- The use of **Crommelin[®] Reinforcing Fabric** is also recommended for use at all junctions to protect vulnerable areas from damage.
- **Trowel on Waterproofing** should only be applied to wet surfaces, surface saturated, but without standing water. It is recommended that only workable areas are wetted down prior to application to ensure that the immediate surface to be coated remains sufficiently hydrated.



PRODUCT PREPARATION

- **Trowel on Waterproofing** is supplied in two pre-measured components.
- It is recommended to always mix full kits to ensure correct product ratios. Thinning is not recommended.
- If part kits are mixed, it is important that mix ratios are accurate (4kg liquid:10kg powder). We do not recommend mixing part kits without using accurate weighing equipment.

Note: The addition of excessive liquid will increase cure time, negatively affect membrane hardness, lower abrasion resistance and may lead to the formation of air bubbles once the coating is under water immersed conditions.

Note: The addition of excessive powder will reduce membrane workability resulting in too high film builds that may lead to cracking.

- Always add powder to liquid, never liquid to powder.
- Pour half of Part A Liquid into a clean pail large enough to contain a full kit. Gradually add half of Part B Powder into the pail whilst mixing with a low speed mixing drill (400 – 600 rpm). Mix until homogenous and free of lumps.
- Add remaining Part A liquid to the pail and mix until homogenous. Gradually add the remaining Part B Powder into the pail and continue to mix for between 3 – 5 minutes until a homogenous, lump free consistency is achieved.
- Properly mixed **Trowel on Waterproofing** should be light grey in colour, smooth in consistency and easily applied by a roller.

Note: Thorough mixing is important to provide a smooth and workable consistency. Ineffective mixing procedure, mix ratios and mixing times will result in a stiff and unworkable membrane consistency.

APPLICATION CONDITIONS

- Pot life between 30 – 60 minutes, dependent upon temperature and humidity.
- Do not apply if surface/ambient temperatures are too high or too low. Recommended temperature range 10⁰C - 35⁰C.
- 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/

- Trowel on Waterproofing is applied by brush or roller, or by trowel when a smooth finish is required.
- Apply first coat of **Trowel on Waterproofing** following specified coverage rates, leaving a smooth and consistent finish. Allow to dry for a minimum of 16 hours.
- Prior to application of second coat, thoroughly wash down and saturate the surface but do not leave standing water.
- Apply second coat evenly, at 90° (right angles) to first coat and allow to dry.
- Thickness per coat should be approximately 1mm.

RE-COAT/DRYING TIME

- Recoat time: Minimum 16 hours, maximum 72 hours.
- Tile/Screed/Overcoat: 72 hours.
- Full cure: 7-14 days.





COVERAGE

- 1 – 1.5kg / m² per coat.

CLEAN UP

- Clean all equipment with water before product dries.

SIZES

Trowel on Waterproofing is available in 14kg kits.

RELATED PRODUCTS

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

PRECAUTIONS

- 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 10⁰c and 35⁰c and less than 85% humidity. To check these conditions, refer to <http://www.bom.gov.au>

TRANSPORT AND STORAGE

- | | | | |
|------------------|--------------------|------------------------|-------------------------|
| • Size: 14kg kit | • Weight: 14kg | • 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[®] Trowel on Waterproofing 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.



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