



Premixed Under-tile Floor Screed

Waterproof and efflorescence free.

DESCRIPTION

Crommelin[®] Premixed Under-tile Floor Screed is a ready to use, premium, polymer modified screed mix, formulated for use in all under tile applications.

Crommelin[®] Premixed Under-tile Floor Screed is uniquely waterproof and efflorescence free, providing protection from water damage, whilst preventing the upward movement of rising white mineral salts.

Crommelin[®] Premixed Under-tile Floor Screed is formulated for use in conjunction with Crommelin[®] Shower Waterproofing Membrane and all other Crommelin[®] Under-tile Waterproofing Membranes.

FEATURES AND BENEFITS

- Waterproof formula.
- Efflorescence free – no rising white salts.
- Non-shrink.
- Consistent batching – the right mix every time.
- Internal and external application.
- Efficient application – saves time on site.
- Yield per bag – 1m² at 10mm.
- Application thickness – feather edge to 100mm.

AREAS OF USE

Premixed Under-tile Floor Screed is suitable for use in the following areas:

- Showers.
- Bathrooms.
- Laundries.
- Balconies.
- Patios.
- Wet Rooms.





SUITABLE SUBSTRATES

Premixed Under-tile Floor Screed is suitable for use on the following surfaces:

- Concrete.
- Fibre Cement Sheeting.
- Particle Board (wet area grade).

APPLICATION TOOLS

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

SURFACE PREPARATION

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

- **Premixed Under-tile Floor Screed** may be placed above or below liquid-applied waterproofing membranes.
- It is recommended to apply **Premixed Under-tile Floor Screed** directly to the substrate, with the application of any liquid applied waterproofing membrane on top.
- Surfaces must be clean, free of all contaminants including dust, oil, grease, loose particles manufacturing or placement compounds and any standing water.

When placing directly on top of substrate:

- Concrete must be at least 21 days old and have adequate surface profile to provide a good mechanical key.
- Dense concrete (over 35Mpa) or smooth concrete should be mechanically roughened to assist adhesion.
- Fibre cement and particle board sheeting must be installed as per the manufacturer's instructions, firmly fixed and able to support the screed and tile bed.
- All sheet joints should be taped.
- Fibre cement sheeting should be primed with a 1:1 solution of **Crommelin[®] High Performance Bonding Agent** or **Crommelin[®] Powerflex** and water and allowed to dry.
- Particle board flooring should be primed with 1 coat of a solvent borne sealer such as **Crommelin[®] Slate Sealer** or **Crommelin[®] Next Day Concrete Sealer** (solvent borne).

When placing directly on top of waterproofing membrane:

- Ensure all substrates have been installed as per manufacturer's instructions.
- Ensure that all waterproofing membranes have been installed as per manufacturer's instructions.
- Ensure careful placement of **Premixed Under-tile Floor Screed**, causing no damage to the waterproofing membrane.



PRODUCT PREPARATION

Premixed Under-tile Floor Screed is supplied in the correct proportions to provide optimum performance. Other than gauging liquid, no other additives are recommended.

- Do not add additional sand to the mix.
- Do not over water when mixing.
- Always add required gauging liquid to the powder in a controlled rate, whilst blending the mix to a workable semi-dry consistency.
- Creating a mound of **Premixed Under-tile Floor Screed** and slowly folding in the gauging liquid is the most efficient and recommended practice.
- Only clean potable water and **Crommelin[®] High Performance Bonding Agent** should be used in the gauging liquid.
- For finished thicknesses greater than 15mm, water only may be used as the gauging liquid.
- Where final finish thickness is less than 15mm, total required gauging liquid should be made up of a 1:1 solution of **Crommelin[®] High Performance Bonding Agent** and water.
- In all applications, the addition of **Crommelin[®] High Performance Bonding Agent** to the gauging liquid, at a ratio of 1:1 will provide a stronger and more durable surface finish from feather edge to thicker placements.

Note: If **Crommelin[®] High Performance Bonding Agent** has been used as part of the gauging liquid, ensure that all tools and placement area clean-up is conducted with water immediately before product dries.

Note: If mixed screed has started to dry before placement, do not add more water to the mix. Discard mix and prepare a fresh batch.

APPLICATION CONDITIONS

- 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/

- A slurry coat of 1:1 **Crommelin[®] High Performance Bonding Agent** and water with neat cement is essential before screed placement. Suitably prepared **Crommelin[®] Premixed Under-tile Floor Screed** should be placed before the slurry coat dries.
- Apply mixed screed to the surface and spread using a straight edge or timber batten to level and achieve any required falls.
- If galvanised mesh is required in the screed, apply the first layer of screed directly followed by the mesh, finished with a second layer of screed, so both are wet on wet to promote a single cohesive block. This will ensure that the mesh is directly in the middle of the screed for optimum performance.





RE-COAT/DRYING TIME

- Initial set: 3 to 4 hours.
- Trafficable after 24 hours.
- Minimum of 7 days required before application of waterproofing membranes or tiling over.

COVERAGE

- 20kg of Premixed Under-tile Floor Screed will cover 1m² at a thickness of 10mm.

CLEAN UP

- Clean all equipment with water before product dries.

SIZES

Premixed Under-tile Floor Screed is available in 20kg bags.

RELATED PRODUCTS

- Crommelin[®] Moisture Meter.
- Crommelin[®] Contractor Membrane Applicator Brush – 100mm, 75mm.
- Crommelin[®] High Performance Bonding Agent.
- Crommelin[®] Powerflex.
- Crommelin[®] Shower Waterproofing Membrane and all other Crommelin[®] Under-tile Waterproofing Membranes.

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

TRANSPORT AND STORAGE

- | | | | |
|-----------------|--------------------|------------------------|-------------------------|
| • Size: 20kg | • Weight: 20kg | • 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[®] Premixed Under-tile Floor Screed 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.



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