



## Crommelin<sup>®</sup> Premixed Under-tile Floor Screed

Waterproof & Efflorescence Free

### DESCRIPTION

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

Crommelin<sup>®</sup> 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<sup>®</sup> Premixed Under-tile Floor Screed is formulated for use in conjunction with Crommelin<sup>®</sup> Shower Waterproofing Membrane and all other Crommelin<sup>®</sup> Under-tile Waterproofing Membranes.

### FEATURES & BENEFITS

- Ready to use, easy to mix and place.
- 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 – 1m<sup>2</sup> at 10mm.
- Application thickness – feather edge to 100mm.

### AREAS OF USE

Crommelin<sup>®</sup> Premixed Under-tile Floor Screed is suitable for use in the following areas:

- Showers
- Bathrooms
- Balconies
- Patios
- Laundries
- Wet rooms etc.

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**Crommelin®**  
Waterproofing & Sealing



### SUITABLE SUBSTRATES

Crommelin® Premixed Under-tile Floor Screed is suitable for application on:

- Concrete
- Fibre cement sheeting
- Particle board flooring
- Internal and external application

### APPLICATION TOOLS

- Slurry coats may be applied with Crommelin® Contractor Membrane Applicator Brush or trowel.
- Mixed screed may be levelled using a straight edge, timber batten or similar.

### SURFACE PREPARATION

- Full surface preparation instructions can be found at [www.crommelin.com.au/full-instructions/](http://www.crommelin.com.au/full-instructions/)
- Crommelin® Premixed Under-tile Floor Screed may be placed above or below liquid-applied waterproofing membranes.
- It is recommended to apply Crommelin® 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 Crommelin® Premixed Under-tile Floor Screed, causing no damage to the waterproofing membrane.

### Product Preparation

- Crommelin® 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.



7 Day Technical Support 1800 655 711

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- Creating a mound of Crommelin<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> High Performance Bonding Agent and water.
- In all applications, the addition of Crommelin<sup>®</sup> 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<sup>®</sup> 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

- Application temperature between 10°C and 35°C.
- Humidity below 85% during application and initial cure.
- Protect placement areas from direct sunlight and wind during cure.
- Do not apply externally if rain is expected within 24 hours.

## APPLICATION

- Full application instructions can be found at [www.crommelin.com.au/full-instructions/](http://www.crommelin.com.au/full-instructions/)
- A slurry coat of 1:1 Crommelin<sup>®</sup> High Performance Bonding Agent and water with neat cement is essential before screed placement. Suitably prepared Crommelin<sup>®</sup> 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.

## COVERAGE

- 20kg of Crommelin<sup>®</sup> Premixed Under-tile Floor Screed will cover 1m<sup>2</sup> at a thickness of 10mm.

## CURE TIME (at 25°)

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

## CLEAN UP

- Clean all tools and application equipment immediately with water.
- Cured material may only be removed mechanically.



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## RELATED PRODUCTS

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

## MAINTENANCE & REPAIR

Crommelin® Premixed Under-tile Floor Screed must be protected from damage by after trades and inspected prior to the application of any waterproofing membranes or tiling over.

## 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 10°C and 35°C and under 85% humidity. To check these conditions, refer to <http://www.bom.gov.au>.

## TRANSPORT AND STORAGE

- Size: 20kg.
- DG Class: Not applicable.
- UN Number: Not applicable.
- Gross Weight: 20kg.
- Flash Point: Not applicable.
- Cool and dry storage.

## SAFETY AND FIRST AID

Crommelin® Premixed Under-tile Floor Screed safety data sheet available from Crommelin® upon request.

### Safety

- Ensure good ventilation and avoid breathing vapours.
- Avoid skin and eye contact.
- Wear protective gloves, protective clothing, eye protection and face protection.
- Mixed only outdoors or in a well-ventilated area.
- Keep out of reach of children and away from animals and fish.
- Keep bag 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<sup>®</sup> also reserves the right to update information without prior notice, to reflect ongoing research and product development.



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