

TECHFIN WATERGUARD

Waterproofing Cementitious Sealing Slurry System

Techfin Waterguard is a two part polymer modified cementitious waterproof mortar sealing slurry consisting of highly flexible liquid polymer, special water repellent admixtures and cements and silica aggregates.

The combined cured system produces a waterproof barrier for concrete, cementitious rendering, masonry substrates, brickwork or blockwork. The slurry coating forms a moisture barrier, significantly reducing the water absorption into dry surfaces, allowing moisture to migrate out of protected areas and avoiding moisture build up and dampness. It provides positive and negative water repellency against dampness and ground water as well as hydrostatic pressure.

BENEFITS:



Interior and exterior waterproofing.



Factory controlled performance.



Easy to mix.



Blocks passage of water - seals pores.

Can be applied to wet surfaces or green concrete.



Apply by brush or spray.

Paintable.



Non-toxic and non-tainting.

Suitable for potable water contact.

TECHNICAL DETAILS

Appearance	Grey powder with white liquid
Mixing	As supplied
Working Time	1 hour @ 20 °C
Setting Time	40 - 45 minutes
Over-Coating Time	12 hours
Application Temp.	10 °C to 25 °C
Number of coats	3 coats for max effect
Bridging Capability	Maximum 2 mm gaps
Yield	10 L per kit
Coverage	10 m ² per kit
Toxicity	Non-toxic, non-tainting
Shelf-Life	6 Months

PACKAGING

Two component kit consisting of 14 kg powder and 4.5 L liquid.

APPLICATIONS

- Basements, lift walls, tunnels
- Water towers, silos
- Sewage tanks, effluent pits
- Subways, manholes
- Reservoirs, canals, swimming pools
- Pre-stressed and precast concrete units

WATCH POINTS

Techfin Waterguard will not withstand movement greater than 2 mm and is ideally suited for ridged surfaces. Incorporate polyethylene membrane to bridge cracks and gaps.

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41 Circuit Rd, New Germany, 3610
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STORAGE

Store the kit in a cool, dry place out of direct sunlight and where there is no exposure to damp and humidity.

DIRECTIONS

Preparation

Surfaces to be treated must be free of dust, oil and grease. Any curing compound, mold oil, release agents or other surface treatments must be removed. Remove any laitance from concrete and weak delaminating mortar from brickwork. Brush down and clean off, leaving a sound substrate providing adequate bond for the applied slurry. Preparation is usually carried out using mechanical tools such as scabblers for floors and bush hammers for vertical surfaces. Static cracks greater in width than 1 mm must be chased out, dampened down and repaired with a dry pack consistency of **Techfin Structural Repair Mortar**.

Priming

If there is exposed reinforcement within the treatment area, coat with **Techfin Metal Primer** where it is exposed, to ensure sound bonding is achieved. Prior to application, pre-saturate the area to be treated with water and ensure any free standing water is removed before commencing with the coating.

Mixing

Mix 1 x 14 kg bag **Techfin Waterguard** to 4.5 liters of supplied BONDING AGENT to produce a suitable brush-on mixture. Using a suitable container, add the powder to the liquid and stir to produce a thick slurry. Apply to dampened surfaces while still damp to ensure proper coverage and adhesion. Whilst applying the product, occasionally stir the slurry to prevent settlement of the solids within the container. Do not re-temper the product once it has started to set. Apply the material in two or three coats, each coat at right angles to the other. For good waterproofing protection, an average coverage of 2 kg (1 L) / m² should be applied. Allow 12 hours curing between coats. **Techfin Waterguard** must not dry out too rapidly and should be kept damp for a minimum of 2 to 3 days.

SEALING

Not required. The cured surface may be painted or skimmed over with other decorative finishes.

PRECAUTIONS

- Protect treated areas from mechanical damage by covering with plaster or render.
- Protect newly treated surfaces from frost and rain.
- Use rubber or plastic gloves to protect against cement burns.
- **DO NOT** add water to the supplied kit as this will dilute the waterproofing ability of the product.

CLEANING

Clean all tools and equipment with water.

HEALTH AND SAFETY

Wear gloves when working with this product. Avoid direct skin contact.

Please read Safety Data Sheet and specific health and safety data for this product provided in compliance with the requirements of OHS No.85 of 1993. The finished system is not hazardous to health or the environment.

WARRANTY

Technical Finishes products are manufactured under high quality standards and are warranted against defective materials and are sold subject to standard Terms and Conditions of Sale, copies of which can be obtained upon request. Technical Finishes deals with approved applicators and carry a back to back warranty with these clients. Technical Finishes cannot be held responsible for the workmanship in surface preparation and application of our products, it is understood that the approved contractor will guarantee such workmanship and application. It is vital that the application is done in accordance to our specification.

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