

PRODOX

Waterproofing Cementitious Plaster Sealer

Prodox is a single component, polymer modified, cementitious plaster sealer for application onto a wide variety of cementitious surfaces to provide a smooth, durable waterproof and decorative finish. The polymer additives ensure optimum adhesion, crack bridging, flexibility and substrate versatility. The polymers included ensure a high order of water repellency and migrate within the substrate to form a permanent waterproof barrier system.

Prodox is supplied as a powder and mixed to a plaster consistency or a slurry mix with water. Prodox is applied directly onto dampened concrete, blockwork or cement renders in areas where general waterproofing is required. Prodox also finds use as a waterproof barrier in flooring applications as a waterproofing underlayment on floors prior to further cementitious floor topping installations.

BENEFITS:

- Seals and waterproofs concrete substrates from further water problems.
- Effectively forms a water barrier preventing problems caused by damp and water migration on concrete finishes.
- The compact nature of the cured product provides water tight finishes whilst allowing the passage of water vapour to ensure adequate drying and full cure.
- Adheres to many difficult surfaces.
- Readily receives tile adhesives and / or decorative coatings as a final finish.
- Cost effective
- Easy to use
- Environmentally friendly

TYPICAL APPLICATIONS

Water Retaining	Water Excluding
Water tanks / Towers	Basements / Cellars
Reservoirs	Tunnels
Swimming pools	Foundations
Water treatment works	Retaining walls
Dams	Lift shafts
Canals	Construction joints
Harbours	Bridge decks
Concrete pipes	Jetties
Fish ponds	Pontoons
	Sea defense walls
	Inspection pits

TECHNICAL DETAILS

Appearance	1. Grey cement powder
	2. Various colours
	3. Fibrous grey power
Mix Ratio (Plastering)	5 L water : 25 Kg
Mix Ratio (Slurry coat)	6 - 8 L water : 25 Kg
Application Rate	
Thickness	Coverage
1 mm	± 13 m ²
3 mm	± 4.3 m ²
Brush / Slurry Coat	± 30 m ²
Compressive Strength	20 - 25 MPa (28 days)
Cure Time	8 hours (touch dry)
	12 hours (hard dry)
Packaging	
Prodox is supplied in 5 L buckets or 25 kg bags	

COMPOSITION

Prodox is a selected blend of high grade cements and graded silica aggregate combined with performance polymer additives and water repellent agents. **Prodox** is also available in a fibre reinforced variant to be applied over cracks and joints.

DIRECTIONS

- Mix the powder into sufficient water, approximately 4 – 5 L to achieve a plastering consistency with use of a mechanical mixing machine on slow speed fitted with a suitable paddle.
- For application by block brush, add **Prodox** to between 6 - 8 L of water with a mechanical mixer until a brushable consistency is achieved.
- When plastering very porous surfaces such as block walls, it is advisable to pre-wet the wall to reduce the suction and overly rapid drying.
- **Prodox** is applied at a nominal thickness of between 500 micron and 3 mm with a brush or steel trowel respectively. It can be wood floated to obtain a flat surface with decorative properties.
- Painted surfaces need to be sanded to facilitate bonding.

PRECAUTIONS

The surface to be sealed needs to be thoroughly cleaned and all loose material removed to ensure optimum adhesion and long term results. Previously painted walls may need a key coat with **Techfin Probond** prior to plastering, or the paint will need to be removed to expose the concrete surface. Mix enough product to be completely used, do not add further water to a partially dry mix to reconstitute as this may lead to undesired results.

SAFETY

Treat **Prodox** as Ordinary Portland Cement, wear gloves and goggles when in use. Exposure to skin will cause dryness. Cements high alkalinity warrants caution therefore wear appropriate personal protective equipment and clothing.

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.