

PRODOX

WATERPROOFING CEMENTITIOUS PLASTER SEALER

DESCRIPTION

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.

ADVANTAGES

- 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 defence walls
	Inspection pits

TECHNICAL DETAILS

Appearance	1. Grey cement powder
	2. Various colours
	3. Fibrous grey powder
Mix ratio (Plastering)	5L water : 25Kg
Mix ratio (Slurry coat)	6-8L water : 25Kg
Application rate	
Thickness	Coverage
1mm	± 13m ²
3mm	± 4.3m ²
Brush/Slurry coat	± 30m ²
Compressive strength	20-25MPa (28 day)
Cure time	8 hours (touch dry)
	12 hours (hard dry)

PACKAGING

PRODOX is supplied in 5L buckets or 25Kg 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 – 5L 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 - 8L of water with mechanical mixing 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 3mm with a brush or steel trowel respectively. It can be woodfloated 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 INFORMATION

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

Gauteng

Kwa-Zulu Natal

Western Cape