PolyProof CM

Multi-Purpose Waterproofing Slurry

Description

PolyProof CM is a high-performance, polymer-modified, two-component cementitious waterproofing slurry designed for versatile waterproofing applications. Formulated with special polymers, graded aggregates, and selected fillers, it provides excellent pore-blocking properties and durable waterproof protection.

The system is suitable for both internal and external applications and performs effectively under tropical and hot climatic conditions.

Technical Properties

Appearance	Grey powder White liquid
Density	~ 1.65 Kg/l
Compressive Strength	28 N/mm^2
Flexural Strength	5 N/mm^2
Adhesion To Concrete	>1.5 N/mm^2
Shore D Hardness	45
Application Temperature	-5 °C to +80 °C
Leak Test	After 7 days
VOC	<1.0 g/l

All values are nominal and subject to a tolerance of ± 5-10%

Key Features

- Ready-to-use single-component
- Excellent adhesion and durability
- Crack-resistant
- Sulphate-resistant formulation
- Compatible with tile finishes
- Suitable for potable water

Area Of Use

- Water tanks and reservoirs
- Sewage and drainage structures
- Basement walls and lift pits
- Bathrooms and wet areas
- Concrete block walls and masonry surfaces
- Kitchens and utility areas
- Sewer aqueducts and processing tanks

Packaging

PolyProof CM is available in:
25 Kg Kit

Storage

Keep the product in dry and sheltered place at temperature between +5ºC to +35ºC. In these conditions and in closed original containers, the product will have a shelf life of at least 12 months.

Standard Compliance

- BS 6920 Pt 1 (potable water compliance)
- BS 1881 Pt 5
- DIN 1048

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Application Procedure

Surface Preparation

Substrates must be sound, clean, and free from dust, loose particles, oil, grease, curing compounds, and any contaminants that may affect adhesion.

All surfaces should be pre-dampened with clean water prior to application.

Wall-to-floor junctions should be treated with suitable repair mortar to form a 45° fillet. Cracks and joints must be repaired and sealed using appropriate repair and sealing systems before applying PolyProof CM.

Mixing Procedure

Thoroughly stir the liquid component before use. Gradually add the powder component while continuously mixing using a low-speed mechanical mixer until a smooth, homogeneous consistency is achieved.

Mixing should continue for approximately 3 minutes while avoiding air entrapment.

Application Instruction

Apply the mixed material onto the prepared substrate while it remains in a saturated surface dry condition using a brush, roller, or trowel. The first coat should be applied uniformly in one direction. Once touch dry, apply the second coat perpendicular to the first coat to ensure complete coverage and performance. Additional coats may be applied if required.

For areas requiring additional reinforcement, such as corners and movement joints, it is recommended to embed fiber mesh into the first wet coat before applying the second layer.

Curing

Protect the applied coating from rapid drying by using a suitable curing compound or polyethylene sheeting.

Quality & Care

All products provided by PolyCrete are manufactured under a management system certified to conform to the requirements of the quality and environmental health & safety standards ISO 9001, ISO 14001 & ISO 45001.

Health & Safety

Wear gloves, goggles to avoid any contact with eyes and skin. In case of splashes in the eyes wash abundantly with warm water and consult a doctor. For further information or particular use, contact PolyCrete Technical Department.

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