PRO-TEC

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PROTECT CB PREMIUM

Cementitious Waterproofing Coat (Two Components)

Protect CB Premium is a cement-based, two-component polymer-modified waterproofing slurry. The product provides a flexible layer which can be used for internal waterproofing, crack sealing, and as a repairing mortar for cement and concrete surfaces.

SCOPE OF USE

- **On concrete surfaces and cement plasters**
- **Swimming pools and waterproofing of drinking water tanks and reservoirs**
- **For vertical and horizontal applications**
- **Bridges & sea walls**
- **Waterproofing basements and cellars**
- **Waterproofing of terraces, roofs, and balconies**
- **Water treatment facilities**
- **Sewage treatment facilities including concrete tanks**
- **Bathrooms, toilets, and kitchens**

ADVANTAGES

- **Can be applied on damp surfaces**
- **Cracks-bridging ability & good substrate adhesion**
- **Non-toxic, ideal for confined areas & drinking water**
- **Flexible, cementitious, water-impermeable**
- **Provides a long-lasting waterproofing layer**
- **Resistant to abrasion, frost, and salt**
- **Non-corrosive to steel/iron & over-paintable**
- **Resistant to salt water, grease, and oil**

TECHNICAL PROPERTIES

COLOR	Grey
WATER IMPERMEABILITY (POSITIVE / NEGATIVE)	5 bar (positive) / 3 bar (negative)
APPLICATION TEMPERATURE	Between +5°C and +35°C
Reduction in water absorption is 90±5%	Reduction in water absorption is 90±5%
APPLICATION THICKNESS	1.5 - 2.0 mm
AVERAGE CONSUMPTION	2kg/m2 to 4kg/m2 depending on the nature of the support.
RECOATING TIME / FULL DRYING TIME (+23°C)	5 - 10 hours / 24 - 48 hours

APPLICATION GUIDE

1. Surface Preparation

Concrete surfaces should be clean, sound, and free from oil, grease, cement laitance, and all loosely adhering particles. The surface should be in a saturated surface dry condition. Weak parts of concrete should be repaired; loose texture should be scraped. Any cracks and fractures on the surface should be carefully repaired with repair mortars. After the surface is ready, the primer should be applied. In open environments such as terraces, corners must be chamfered at a 45° angle (horizontally or vertically) to prepare for insulation.

2. Product Preparation

Put the liquid component into the mixing bowl and slowly pour the powder component into the liquid while mixing with a low-speed mixer without adding water until there are no lumps. Wait for 5 minutes until it becomes viscous, then mix for 20 - 30 seconds and apply in one direction and at corners with a brush.

3. Application Process

Application should start no later than 5 hours after primer (in case high absorbent substrates) application. Apply to the substrate in two coats by brush, roller, or spraying. The application of each layer should be perpendicular to the previous one and completed at one time. The prepared mortar should be consumed within 30 minutes. Do not add water to the mixture externally. The powder component must always be added to the liquid component. Wait at least 5 hours between coats. Drying time may be prolonged in low temperature and high humidity environments.

PACKAGING & STORAGE

- **Packaging:** Original reference: 15 kg (10 Powder, 5 Liquid).
- **Storage Conditions:** Protect CB Premium should be stored at temperatures between 10°C and 35°C in closed packaging. The storage area should be dry, well-ventilated, and away from any source of heat or direct sunlight.
- **Shelf Life:** 12 months from the date of manufacture.
- **Support:** If these requirements are breached, contact the Technical Department of Pro-tec for assistance.

HEALTH, SAFETY & CAUTIONS

> **Protect CB Premium is non-toxic, non-flammable, water-based, and does not cause any health damage. However, always take care and adhere to standard safety precautions.**

- **Protective Gear:** Wear protective clothing, such as gloves and goggles. Apply in a well-ventilated area, and avoid dust inhaling.
- **Skin & Eye Contact:** The product contains cement powders which release alkalis when mixed with water. Splashes on the skin should be washed away with soap and water immediately. In case of contact with eyes, wash thoroughly with clean water.
- **Ingestion:** If swallowed, do not induce vomiting. Seek medical attention.

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