K2 POLYCRETE

Acrylic Polymer for Cementitious Waterproof Composite Coating Membrane

Description:

POLYCRETE is an effective and economical solution to waterproof concrete and masonry surfaces.

Area of Application:

- Industrial floors, Dams.
- Water towers, tanks.
- Tunnels and sewages.
- Pools and fountains.
- Reservoirs.
- Roofs, terraces and balconies as a sandwich layer.

Benefits:

- User friendly, simple mixing and easy brush application for horizontal and vertical surfaces.
- Ensures a tough, impermeable waterproof membrane.
- Excellent adhesion to concrete and masonry surfaces.
- Protects concrete and mortar from wind, rain, sunlight.
- Breathable coating and Non-toxic.
- Excellent UV resistance property.

Technical Properties:

Properties	Results
Pot life (at 30˚C)	30 Minutes
Mixed Density	1.8 g/cc
Application Temperature	>10˚C
Toxicity	Non - Toxic
Concrete bond strength	1 N/mm^2 Approx.

Application Instruction:

SURFACE PREPARATION

All surfaces to be applied with POLYCRETE must be thoroughly cleaned by a wire brush, to remove all dust, laitance, free from oil, grease, wax or any other foreign matter which might affect adhesion. Spelled and deeply disintegrated concrete or mortar must be removed to a sound substrate and repaired suitably before coating.

MIXING PROCESS

- POLYCRETE should be mixed in the ratio of 1:1.5 (Polycrete: cement) to obtain a uniform and consistent slurry avoiding any lump formation.
- Mix for approx. than 2 minutes.
- Mix the quantity than can be used within the pot life.
- Retempering the mix with water should not be done.
- Keep on mixing till the entire quantity is used to avoid settling of solid at the bottom of the container.
- For optimum results, wet the surface before coating.

APPLICATION PROCESS

- Apply the mix with a short, to an approximate thickness of Polycrete 1mm.
- For the first 12 hours of curing, ploycrete surface must be shield from abrasion, rain or other undesirable conditions
- No traffic shall be allowed within 48 hours after application.

- First coat should be allowed to air dry for 5 to 6 hours.
- After application of the final coat, air dry for 2 to 6 hours.
- During this period water should not be used for curing. Moist curing should be done in the next 24 following moist curing, POLYCRETE should be allowed to dry for three days before water logging.

Coverage:

1Liter of POLYCRETE will cover 22-25 sq. area in 2 coats for mix ratio of 1:1:5 (polycrete: cement).

Packing:

POLYCRETE is available in 500ml, 1Ltr, 5Ltr, 20Ltr & 200Ltr Pack.

Shelf Life and Storage:

POLYCRETE has a shelf life of 24 months from the date of manufacturing. Store the material in cool and dry place. Keep away from direct sunlight and heat.

Health & safety:

POLYCRETE is water based and non-toxic. Gloves should be worn during application. Any splashes on the skin or eyes must be washed off with clean water. In case of prolonged irritation seeks medical advice.

FIRE

POLYCRETE is nonflammable.

Technical Support:

The company provides a technical service supported by the team of specialist applicators in the industry.

Important Note:

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KONKEM INDUSTRIES PVT LTD
A Group Company of JAY

Jay House, Panchvati Circle,
Ambawadi, Ahmedabad
380006. India

Phone: 079-69073222

Email: infok2@konkem.com
Website: www.konkem.com

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#02/0623