

Tigonis

1K Acrylic Waterproofing Coating (TIGOCRETE)



TIGONIS



Tigonis 1K Acrylic Waterproofing Coating is an acrylic cementitious, polymer modified elastomeric, waterproofing & protective coating. It is applied to waterproof and protect concrete and masonry substrates.

Features & Benefits

- ➔ Easy to apply by brush
- ➔ UV Resistance
- ➔ Excellent adhesion to concrete and masonry substrates
- ➔ Provides a waterproof surface & eliminate water leakage.
- ➔ Economic and high durability
- ➔ Non Toxic

Application Areas

Bathroom, Kitchen Sink, Water Tank, Terrace etc

Method of application (For Waterproofing)

Surface Preparation

- Surface must be clean and dry to ensure adequate adhesion.
- Surface must free from oil, grease, dust, loose particles and other foreign material.
- Cracks and voids must be filled.
- Any defects on surface should be repaired prior to application of membrane.

Mixing

- Shake the liquid well before mixing.
- Add the cement into the liquid portion (1 OPC 53 cement : 0.5 Tigocrete) and mix it slowly with slow speed mechanical stirrer.
- Continue to stir thoroughly to achieve lump free homogenous slurry.
- Allow the mixture to stand for 5-10 mins to release the trapped air



Bathroom



Kitchen Sink



Terrace



Water Tank



BENGAL BUILDING SOLUTIONS PVT. LTD.

Building Materials Manufacturer & Supplier

Address :57G, K.N Sen Road, Kolkata - 700042

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Mixing

- The surface of application must be pre-wetted thoroughly with water & brought to a touch dry state.
- Apply the 1st coat of mixed material using brush over the prepared surface.
- The first coat must be well applied into the undulations of the surface.
- When 1st coat is dry in 4- 6 hrs, apply the 2nd coat.
- Sprinkle liberally coarse quartz sand while second coat is still wet to provide key for subsequent plaster or tile application.
- It is mandatory to protect the coating by overlaying mortar or plaster or tile.
- Leave the coating without water curing for 2 days at least.
- If the membrane is applied in areas exposed to foot traffic, it must be protected with a screed overlaid, during the application itself.

Curing

- Tigonis 1K waterproofing coating should allow to air cure for 3-6 hours after the final coat.
- Rapid drying of the coating by covering the coating with help of polythene sheet in case of high humidity and windy condition should avoid.
- Moist curing after the air drying is advisable following to air cured for 3 days before submerging it in water.

Method of application (For Repairing)

- All renovation works in concrete substrate to be carried out with repair mortar modified with TIGOCRETE
- 10-15% of Tigocrete by weight of cement mortar prepared (Cement : Sand = 1 : 3 ratio) to be mixed for all repair and patch work

Precautions

- Add cement to liquid and stir well to avoid lump formation.
- Do not cure by flooding with water.
- Cure the membrane with moist hessian cloths
- Do not conduct any ponding test before it is completely cured for 7 days
- Always protect the membrane with screed in areas exposed to foot and other traffic.
- Ensure polymer modified protective plaster 15-20mm over the treated surface



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Health & Safety

- Use rubber hand gloves & safety goggles at the time of application
- In case of contact with skin, wash with plenty of water.
- Keep out of reach of children

Technical Specification

Appearance	Free Flowing Liquid
Color	Milky White Liquid
Base Composition	Acrylic Latex
pH	>7
Density	~ 1.02 kg/l at 27°C
Solid Content / NVM	~ 29 % +/- by weight
Bonding Strength (Kg/sq cm ~ 14 days)	20 +/-2
Chemical Resistance	Resist mild acid and alkali
Permeability Test	Passes
Mixing Ratio	White Liquid: Cement = 1:2
Coverage	Approximately 20 sqft / kg at 1 mm thickness in 2 coats, depending on the level of the substrate.
Packing	1 Ltr, 5 Ltr, 10 Ltr, 20 Ltr
Shelf Life	Best before 12 months from date of manufacture*



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