

Tigonis

TIGOGUARD 2K PLUS



Tigonis Tigoguard 2K plus is a high strength Acrylic Waterproofing , polymer modified elastomeric , protective coating .This is composed of best quality Portland cement, properly selected & graded aggregates, additives & acrylic emulsion polymer as a binder. It is applied to waterproof and protect concrete and masonry substrates. When the acrylic-modified emulsion is applied according to direction, the cured coating become a tough, flexible and seamless waterproof membrane and acts as an excellent water barrier to Concrete and Masonry Surface.

It is a 2-component cement-based waterproofing material, which is a combination of powder (fine sand, sizing), liquid (modified acrylic polymer) and nontoxic substances, environmentally friendly - free Volatile Organic Compound (VOC), with excellent waterproofing property - no leakage up to 10 m

Features & Benefits

- ➔ Easy to apply by brush.
- ➔ Flexible and bridges cracks in concrete surfaces.
- ➔ Elastomeric flexible coating.
- ➔ Provides a waterproof surface & eliminate water leakage.
- ➔ UV Resistance
- ➔ Non Toxic

Application Areas

Bathroom, Kitchen Slnk, Water Tank, Terrace etc

Method of application (For Waterproofing)

Surface Prepration

- Allow new concrete and masonry substrate to fully cure prior application.
- All surfaces must be free from oil, grease, wax, dirt or any other form of foreign matter which might effect adhesion.
- Spalled Concrete must be sound before applied.
- Substrate should reach a "Saturated Surface Dry" (SSD) condition (damp, without standing water)

Mixing

- Use Portland cement mechanical mixer at slow speed; add product powder part to liquid part in a clean container until a smooth and homogenous slurry mixture is achieved.
- Allow the mixed slurry to stand for 5-10 minutes for releasing air-trapped during the mixing prior to application.
- Mixing material must be use within recommend pot life.



Bathroom



Kitchen Sink



Terrace



Water Tank



BENGAL BUILDING SOLUTIONS PVT. LTD.

Building Materials Manufacturer & Suppllier

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Applications

- TIGOGUARD 2K PLUS slurry can be applied by brush or roller. DO NOT dilute with water.
- Recommend Coverage rate is approximately 1.1 kg./m²/coat for 1 mm. (Minimum 2 coat.).
- Allow the slurry to cure for at least 15-30 min. before applying second coat. Do not leave the first coat to dry longer than 8 hours.
- For tile adhesive application on surface allow surface to cure for 3 days prior.
- If first coat was cure over 8 hours, fix surface by applying 2 to 3 coats of TIGOGUARD 2K PLUS for desire waterproof surface thickness or fix by applying. TIGONIS Tile adhesive to act as top coat protection for TIGOGUARD 2K PLUS.

Curing

- For maximum protection, allow 12 to 24 hours curing time after second coat.
- Leave TIGOGUARD 2K + at least 7 days to cure before filling or sealing water to test leaks.

Drying and Curing time

Substrate Temperature	10 'C	25'C	30'C	40 'C
Surface (touch) dry, hrs.	3	1.30	1	0.45
Dry to over coat, minimum, hrs.	12	6	3	2
Dried/cured for service, day	7	5	4	3
Thickness Recommend, mm At least At most	0.7 mm 1 mm			



- Drying and curing times are determined under controlled temperatures and relative humidity below 65%, and at average of the DFT range for the product.
- Surface (touch) dry: The state of drying when slight pressure with a finger does not leave an imprint or reveal tackiness.
- Dry to over coat, minimum: The recommended shortest time before the next coat can be applied.
- Dried/cured for service: Minimum time before the coating can be permanently exposed to the intended environment/medium

Precautions & Limitations

- TIGOCRETE 2K PLUS is not suitable for traffic area application.
- TIGOCRETE 2K PLUS is a premeasure package, do not dilute with water or add more sand or cement.
- TIGOCRETE 2K PLUS material should have topcoat coating over it. Do not leave it bare to the sun at all times.
- Do not leave first coat dry longer than 8 hours.

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Health & Safety

- Non Flammable.
- Avoid contact with skin and eyes. Any splashes to the skin or eyes
- Wear mask when mixing.
- Wear protective gloves and eye protection when applied.

Technical Specification

Appearance	Part A- White Liquid Part B- Grey Powder
pH	10-12
Pot life of the Mix	90 min
Elongation at break at DFT of 1 mm	150-160%
Water permeability	No leakage after 24 hrs
Polymer/Cement Ratio	50-65% based on wet weight
Mixing Ratio	1.4 : 1 (Powder : Liquid)
Coverage	Approximately 20 sqft / kg at 1 mm thickness in 2 coats, depending on the level of the substrate.
Packing	12 kg/set (2 components) Powder 7 kg Liquid 5 kg 48kg/set (2 components) Powder 28Kg Liquid 20Kg
Shelf Life	Best before 12 months from date of manufacture*



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