



TIGONIS

TIGOCRETE 1K PLUS

Single component acrylic polymer for cement based waterproof coating & repairing



Tigonis Tigocrete 1K Plus is formulated to be mixed with cement on site or simply brush applied over concrete or masonry surfaces to provide an effective waterproof membrane.

Uses

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

Advantages

- Non - toxic, non-flammable and user friendly
- Provides a tough, impermeable waterproof membrane
- Can be applied by brush, on horizontal and vertical surfaces
- Excellent adhesion to concrete and masonry surfaces
- Protects concrete and mortar from natural elements such as wind, rain, sunlight
- Breathable - allows inside water vapour to escape

Technical support

Tigonis provides a technical advisory service supported by a team of specialists in the field..

Areas of application

Below sloping screed or waterproof plaster on :

- Roofs, terraces and balconies as a sandwich layer
- Pools and fountains
- Reservoirs and channels
- End walls subjected to rain

Properties

- **Color** : Milky White Liquid
- **Water absorption** : 1% maximum
- **Pot life at 30 degree C** : 30 min.
- **Application temperature** : Not less than 10 degree C
- **Toxicity** : Non-toxic
- **Bond strength to concrete** : Approx. 1-1.5 N/mm²
- **Solid Content** : 29 % +/- by weight
- **Bonding Strength (Kg/sq cm ~ 14 days)** : 20 +/-2
- **Base composition** : Modified Acrylic Latex

Application instructions

Surface Preparation:

All surfaces to be treated with Tigocrete 1k plus must be thoroughly cleaned by a wire brush or other mechanical means, to remove all dust, laitence or debris. The surface must also be free from oil, grease, wax or any other form of foreign matter which might affect adhesion. Spalled and deeply disintegrated concrete or mortar must be removed to a sound substrate and repaired suitably before coating.



BBSPL
Quality • Innovation • Strength

Bengal Building Solutions Pvt Ltd

Ramkrishnapur More, Gotalahat Road, Amtala, Kol - 743503

www.tigonis.in sales@bbspl.co.in +91-7439133787

Priming

Before application, the surface should be primed with Tigonis Tigocrete 1k as follows:

1 part of Tigocrete 1k plus : 2 parts of Water : 4 parts of Cement

Mixed material with the above proportion will cover an area of 16-17m² for 1L of Tigonis Tigocrete 1k.

Topcoat

Tigocrete 1k plus acrylic polymer shall be mixed with neat cement in the ratio of 1:2 respectively, to obtain a uniform and consistent slurry avoiding any lump formation. This can be achieved with a low duty, low speed drilling machine attached with a mixing paddle. Do not mix for more than 2 minutes. Do not mix more material than which can be used within the pot life.

Retempering the mix with water should not be done. Occasionally stir the material till the entire quantity is applied, so that solids do not settle at the bottom of the container.

For best results, wet the surface before coating. Apply the mix with a short, stiff bristle brush like a paint to an approximate thickness of 1 to 2mm. During the first 12 hours of curing, Tigonis Tigocrete 1k Plus surface must be protected from abrasion, rain or other adverse conditions. No traffic shall be allowed within 48 hours after application.

Normally 2 coats of application of Tigocrete 1k Plus are recommended. First coat should be allowed to air dry for 5 - 6 hours. After application of the final coat, initial air drying shall be allowed for 2 to 6 hours. During this period water should not be used for curing. Moist curing should be done for the next 24 hours by spraying water on Tigocrete 1k Plus coating. Following moist curing, Tigocrete 1k Plus should be allowed to dry for three days before subjecting it to submersion 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 1k Plus by weight of cement mortar prepared (Cement : Sand = 1 : 3 ratio) to be mixed for all repair and patch work

Packaging

Available in 1, 5, 10 & 20 L packs.

Coverage

Priming coat - 16-17m² / L.

Topcoat - 4.5 - 5.0m² / L / coat.

1 Priming coat + 1 Topcoat - 3.9m²/L

However the practical consumption varies depending on the texture and porosity of the surface and the application thickness.

Storage

Tigocrete 1k Plus liquid has a shelf life of 12 months, when stored in unopened containers under normal warehouse conditions.

Precautions

Health & Safety

Tigocrete 1k Plus 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 medical advice should be sought.

Fire




Tigocrete 1k Plus is nonflammable.

Important Note

Tigonis products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Tigonis endeavours to ensure that any advice, recommendation specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation or information given by it.



Ramkrishnapur More, Gotalahat Road, Amtala, Kol - 743503

 www.tigonis.in  sales@bbspl.co.in  +91-7439133787