

Product Description

Techno Crete WP is specially formulated to protect concrete structures against corrosion from aggressive environment.

The product is specially designed for acrylic binder with improved barrier properties and anti-corrosion properties.

Advantages/Areas of Application

- Provides an effective and economical method of waterproofing to concrete and masonry surfaces, by mixing with cement and application by brush
- Suitable for concrete structures above ground and in totally sub-merged conditions
- Can be applied on damp concrete and moist surfaces
- 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 aggressive environment
- Breathable - allows inside water vapour to escape roofs, terraces, toilets and balconies as a sandwich layer
- Concrete Foundations and other sub-structures below ground level
- End walls subjected to rain

Properties

Water Absorption	1% maximum
Specific gravity/Density	1.03 to 1.06g/cc
Chemical	Acrylic emulsion
Pot Life of mixed material	30min at 30°C
Toxicity	Non Toxic
Application Temperature	Not less than 10 °C
Bond Strength to concrete	Approx 1N/mm ²

Application Instructions

Surface preparation

All surfaces to be treated with Techno Crete WP 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 TechnoCrete WP might affect adhesion. Spalled and deeply disintegrated concrete or mortar must be removed to a sound substrate and repaired suitably before coating.

Priming Coat

Before application, the surface should be primed with TechnoCrete WP as follows:

1part of TechnoCrete WP : 3 parts of Water. Mixed material with the above proportion will cover an area of 8 - 10m² for 1ltr of TechnoCrete WP depending upon the porosity of the substrate.

Topcoat

TechnoCrete WP 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 potlife. Re-tempering 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.

Application

On the primed surface, apply Techno Crete WP (1polymer : 2 parts cement) with a short, stiff bristle brush like a paint.

During the first 12 hours of curing, TechnoCrete WP 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 is recommended only on the exposed concrete above ground level and it shall be applied after the first coat is completely dry.

Moist cure the dried film of TechnoCrete WP for 2-3days before filling back the earth for sub-structures.

Coverage

Priming Coat - 8 - 10m²/kg
Topcoat - 3.5 - 4.5m²/kg /coat

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

Estimating/Packaging

20 & 200 kgs Pack

Precautions & Limitations

TechnoCreteWP system has a limited resistance to water permeability. To provide effective protection to the building, when used on concrete surfaces, this system should be used in conjunction with TechnoCrete range of Waterproofing Systems.

Health & Safety

Cementitious mortars modified with TechnoCrete WP should be properly handled while mixing. Use gloves while mixing to avoid skin irritation. During use avoid inhalation of dust and contact with skin and eyes. Wear suitable protective clothing, gloves and eye/face protection. Use of barrier creams provides additional skin protection. Should accidental skin contact occur, remove immediately with a resin removing cream followed by soap and water. Do not use solvent. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed seek medical attention immediately – do not induce vomiting.

Fire

TechnoCrete WP system is non-flammable

Shelf Life

18 months in unopened packs if kept in a dry storage

Important: Technokem products are guaranteed against defective materials and are sold subject to its standard terms and conditions of sale. It is the Customer's responsibility to satisfy themselves by checking with the Company whether the information is still current at the time of use. The customer must be satisfied that the product is suitable for the use intended. All products comply with the properties shown on current Technical Literatures. However, Technokem does not warranty or guarantee the installation of the products as it does not have any control over installation or end use of the product. All information and particularly the recommendation relating to application and end use are given in good faith.

For Complaints/Suggestions:

Please write to our Customer Care Executive at
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