

## Product Description

Techno FlexCote WP 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

Techno FlexCote WP Provides an effective and economical method of waterproofing to concrete and masonry surfaces, by mixing with cement and application by brush.

## 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

## 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

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

## Application Methodology

### Surface preparation:

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

### Priming

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

1 part of La FlexCote WP: 2 parts of Water : 4 parts of

### Cement

Mixed material with the above proportion will cover an area of 16-17m<sup>2</sup> for 1L of Techno FlexCote WP

### Topcoat

Techno Flex Coat 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 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.

## Mixing Ratio for topcoat

Techno FlexCote WP liquid	Neat cement
0.5kg	1kg
1kg	2kg
5kg	10kg
20kg	40kg

For white colour - mix white cement, for other colours, add cement compatible pigments to white cement.

## Application

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, Techno FlexCote 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 of Techno FlexCote WP 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 Techno FlexCote WP coating.

Following moist curing, Techno FlexCote WP should be allowed to dry for three days before subjecting it to submersion in water.

## Coverage

Priming Coat - 10 - 12m<sup>2</sup>/kg after dilution

Topcoat - 4.5 - 5.0m<sup>2</sup>/kg /coat

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

## Packaging

1, 5 and 20 Kgs Pack

## Health & Safety

Cementitious mortars modified with Techno FlexCote 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

Techno FlexCote WP is non-flammable.

**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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