

# GrecoFlex WP-2K

Flexible cementitious waterproofing coating

## Description

**GrecoFlex WP-2K** is a 2-components flexible polymer cementitious waterproofing membrane contains a mixture of blend of sand and cement together with acrylic modified polymer to give a flexible membrane with excellent crack bridging performance. It is pre-pack for ease of application.

## Uses

**GrecoFlex WP-2K** is recommended as a water proofing membrane for concrete substrate before tiling or other surface finishing in kitchens, bathrooms, wet rooms, planter boxes, water tanks, sumps, terraces, balconies and concealed concrete roof.

## Advantages

- Non toxic, suitable for use in potable water retaining structures.
- Easy to use, simple mixing instruction.
- Cost effective, economical to use.
- Water resistant, suitable for both outdoor and indoor applications. Does not re-emulsify when in contact with water.
- Excellent bond strength between mortar and concrete.

## Typical Properties

Density (mixed)	: 1.65kg/L
Pot life (at 30°C)	: 0.5 hour
Tensile strength (ASTM D412)	: 1.5 N/mm <sup>2</sup>
Water penetration (0.5kg/cm <sup>2</sup> )	: < 0.1mm
Mixing ratio (Liquid : Power)	: 1: 2.5 (by weight)
Drying time (at 30°C)	: Tack free : 1 hr
Coating interval	: Minimum 3 hrs

## Application

### Surface Preparation

Area to be applied must be structurally sound, free from oil, grease and contamination to ensure good bond adhesion. Concrete surfaces must roughen and all laitance removed. Cracks, honeycombs and surface irregularities shall be repaired with appropriate repair methods and products.

## Mixing

Mechanical mixing using a low speed drill (400 rpm) fitted with a wing profile mixing paddle is recommended. Pour slowly the powder materials into the liquid acrylic modified polymer and mix until homogeneous.

## Method of Application

Saturated to surface dry condition with water prior to application. In the event of metal/steel substrate, it is recommended to use bonding agent slurry to aid the adhesion.

Apply minimum two (2) coats of **GrecoFlex WP-2K** onto prepared substrate with trowel, roller, brush or spray. Avoid application under direct hot sun to prevent fast drying of the material. Allow first coat to cure till tack free or prior to second coat of application.

## Coverage

The recommended dosage is 1kg/m<sup>2</sup> per coat.

Minimum 2 coats application is required.

Allowance should be made for wastage when estimating quantities required taking into consideration method of application, texture and porosity of the substrate.

## Cleaning

Wash brushes, tools and equipment with clean water immediately after use.

## Packaging

**GrecoFlex WP-2K** is supplied in 17.5kg set. Part A (5kg) milky white polymer solution and Part B (12.5kg) powder.

## Shelf Life

**GrecoFlex WP-2K** has a shelf life of 12 months when stored in original packing in a cool and dry environment.

## Health & Safety

**GrecoFlex WP-2K** cementitious waterproofing membrane contains cement powder that is alkaline and should not come into contact with skin and eyes. Avoid inhalation of dust during mixing. Recommend the use of mask and gloves. If in contact with skin, wash thoroughly with water. In case of eyes contact, flush with water and seek medication of irritation persists.

## Note:

Use the leaflet as a guide for the use of this product concerned. The information given is in accordance with the latest technical developments. However, we cannot accept responsibility for any work carried out with our materials as we have no control over the method of application used or the condition of the site involved.

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