



# SUPAFLEX

Two – part acrylic cementitious, flexible, waterproof coating

## DESCRIPTION

Supaflex is a two part acrylic modified cementitious coating, mixed at site and can be applied easily using brush, roller or spray to form a flexible waterproof coating.

## FEATURES

- Excellent performance and flexible in nature
- Good adhesion to most surfaces
- Non- toxic, therefore suitable for potable water
- Resistant to positive and negative pressure
- Resistant to carbon dioxide and chloride diffusion (Forms a film that provides an ant carbonation coating over concrete.)

## USES

- Pile head waterproofing.
- Waterproofing of potable water reservoirs, both interior and exterior.
- To provide protection for concrete against carbonation and chloride attack.
- Waterproof coating for roofs tunnels, concrete water tanks, lift well and inspections pits
- For swimming pools, lift wells, spillways bathroom slabs, kitchen slabs and other water areas.
- Waterproof linin for water retaining structures
- Waterproof background mortar for tiles, mosaic and marble/granite.
- General construction waterproofing.

## CHARACTERISTICS

Flexibility of film 1.5 mm thick: 30%

% Elongation: >5% (unbonded)

Drying time: 1-3 hours

Initial cure: after 4-5 hours

Ponding: 96hours

## Resistant to following chemicals: (ASTM D543: 1995)

- |                         |              |
|-------------------------|--------------|
| - Sodium Hydroxide (1%) | -Engine oil  |
| -Ethyl Alcohol (95%)    | - Diesel     |
| -Methyl Alcohol         | -Kerosene    |
| -Hydraulic oil          | -Linseed oil |

Tensile strength ASTM D412: 92	> 1.5 N/mm2
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Suitability for use with Potable water tank BS 6920 Part 1: 1990	suitable
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Specific Gravity	1.8
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Toxicity	Non-toxic
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Water penetration	Nil
Co2 Diffusion resistance	R>357 m Sc>89 cm (1mm dft) Sc- equivalent concrete thickness

Chloride ion Diffusivity	Zero penetration at 90 days
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Chloride ion Diffussion Coefficient	1.04 x 10 <sup>-7</sup> Cm2 /S
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Water Vapour transmission	<25 gm/m2 /24hrs
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## APPLICATION

The surface must be clean and free of oil, grease, dust and any other unwanted residual material. The surface to be treated should be thoroughly wet but free of standing water prior to application. The material is supplied in two parts, and premeasured. On site mixing is needed. Slowly add the powder to the liquid and mix using a slow speed drill fitted with a suitable paddle. Keep mixing while application. Do not mix more

## Manufactured under technical collaboration with Imper Oriente - USA

Technical information given in this data, is to the best of our knowledge and is true and accurate. However, as the product is used under conditions beyond our control, we can not guarantee anything but the product itself. The datasheets of all our products are revised and updated regularly. All data are averages of several tests conducted under lab conditions. Climatic variation such as temperature, humidity and porosity of substrate may affect value.

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material than that can be used within 45 minutes. The appearance of the material will be creamy and of uniform consistency.  
**Note: Do not add water to retemper.**

#### **COVERAGE**

Apply the first coat using sufficient material to cover the holes, cracks etc: completely at a rate of 1kg/m<sup>2</sup>. Once the first coat is dry, apply second and third coat in order to achieve the required thickness at an average rate of 0.75 -1 kg/m<sup>2</sup> for best results embed **Supamat** Into the first coat and apply the second coat on top of it.

#### **PACKING**

Available in 17.5kg kits. Contains two parts.  
Part-A 12.5kg powder and Part-B 5kg liquid.

#### **COLOUR**

Available in grey, white and other colors on request.

#### **CLEANING**

Clean all the tools with water.

#### **STORAGE**

Store under cover, out of direct sunlight and protect from extreme temperatures. In tropical climates the product must be stored in air-conditioned environment. Shelf life is up to 12 months when stored as per recommendations.

#### **HEALTH AND SAFETY**

As with all construction chemical products caution should always be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting but call for medical assistance immediately.

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