

## SURFAMIX C

Water-based, Nano Liquid Admixture For Cementitious Powders

### Description

It is a water-based, nano liquid admixture to cementitious powders as mortars, plasters, grouts & renders. It enhances adhesion, bonding and improves workability and extend the working time of the mix. The nano particles contained assure chemical bonding to the pores of the surface and reduce water absorption by up to 70%.

### Where to use

- Plasters and renders.
- Exterior or interior masonry coatings.
- Cementitious mortar/grout.
- Patch, repair and reprofiling mortars.
- Strengthening of adhesive materials for tiles/stones.
- Floor screeds/overlays.
- Low adhesion/porosity surfaces as a primer.

### Advantages

- Enhances (doubles) adhesion.
- Promotes bonding.
- Improves workability.
- Prevents cracking.
- Reduces water penetration.
- Reduces/eliminates lime use.
- Latex (SBR) free.
- UV and weather resistant (does not become yellowish).
- Extends working time.
- Can be applied as a primer.
- Water based.
- Environmentally friendly.
- Cost effective.

### Properties

Form	Milky liquid
Density	1.01 gm/cm <sup>3</sup>
Viscosity	2500 Mpa.s
Adhesion strength	0.2 N/mm <sup>2</sup>
Working time	4.5 hours
Water absorption coefficient	0.7x10 <sup>-3</sup> kg/m <sup>2</sup> .min <sup>1/2</sup>

### How to Use

#### Mixing:

- Add SurfaMix C directly in the cementitious mix, at a ratio of 5-10% by weight of the cement used.
- Alternatively, add 2,5 - 5 Kg of SurfaMix C for every 50 Kg of cement.
- Adding SurfaMix C can reduce or eliminate the use of other binding agents (e.g. lime) in the mix.

#### Application:

- When placing a cementitious mix on top of an existing surface, enhance adhesion by applying SurfaMix C, using a roller or a brush.
- The application surface should be dry and clean.
- SurfaMix C can be diluted by up to 1:5 with water (1 part SurfaMix C and 4 parts of water).

#### Theoretical dosage:

A ratio of 5-10% by weight of the cement used.

#### Packaging:

Canisters of 1Kg, 4Kg, 10Kg, 30Kg & IBC tanks of 1000Kg

#### Shelf Life & Storage:

**SURFAMIX C** has a shelf life of 18 month at least when stored in normal dry condition.

### Health and Safety

- Care should be taken to avoid inhalation of dust and to prevent material entering the eyes.
- Use goggles-gloves and a breathing mask when applying.
- Apply forced ventilation in confined spaces.
- Remove splashes from skin with hand cleanser or soap and water.
- Eye splashes to be washed with plenty of water.

### Additional Information

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**PROKEM** designs tailor made products should there be critical application that requires specific properties rather than our main range. For our customer's satisfaction, **PROKEM** extends technical services to include after sales support to assist users in a proper handling of our products.