

FARCO TOP 50

Cementitious Fairing Coat for Precast and In-situ concrete

Product Description

FARCOTOP 50 is made of specially selected hydraulics cements, mineral powders and some other additives for improving the performance. FARCOTOP 50 is recommended to be modified with emulsion polymers (SA12 or SA46) to enhance the properties. Its unique formulation provides a fair faced finish to concrete and masonry whether used as a fairing or to close blowholes prior to applying protective decorative coatings.

● Uses

- Fairing of exposed concrete or masonry surfaces
- Fairing of concrete or masonry surfaces to receive protective or decorative coatings
- Levelling new and old concrete surfaces, infilling surface imperfections, filling small holes
- Filling and covering tiny cracks in precast and in-situ concrete
- Joint filling of cement and gypsum boards in combination with polymer nets
- Levelling the mosaic and stone surfaces prior to parquet installation

● Advantages

- Good adhesion to prepared concrete, masonry, mosaic and stone
- A waterproof layer, Low permeability
- Resistant to freeze-thaw cycles and deicing salts
- Recommended for industrial areas as a

fairing coat beneath protective coatings

- A good cosmetic for preparing the surface prior to decorative coatings

● Typical physical properties

Appearance	Cement based powder
Color	Grey, white and cream
Specific Gravity	1.5 kg/l
PH	Alkaline

● Instruction for Use

Surface Preparation

- The substrate must be sound, firm, clean and free of oil, grease, loose particles, cement laitance, old layers of paint or other contaminants.
- Concrete and concrete block work surfaces should be adequately prepared by use of suitable mechanical means such as grit blasting, high pressure water jetting or needle gunning to produce a lightly textured surface to ensure a good key.
- Open the cracks with mechanical means
- Repair the thick removed areas with polymer modified mortars such as SA12, Sa46 or PC110
- Dampen the surface prior to priming and application

Mixing

- According to the type of work choose one of the emulsion polymers SA12 or SA46
- Dilute SA12 or SA46 with the ratio of:

FARCO TOP 50

Polymer: Water (1:1 to 3)

- Gradually add powder to the solution while mixing, until a homogenous and lump free paste is achieved.
- Only mix that quantity of material that can be used within an hour at 25 °c.
- In order to have the same colour as exposed concrete, mix white and grey FARCO-TOP 50 with each other

Application

- Apply the primer after dampening the substrate and prior to FARCOTOP 50, by brush. (1 part polymer+ 3 parts water (volumetric))
- The suitable working temperature is 10 °c to 35 °c.
- Apply with trowel, the maximum thickness for each layer is 2 mm and recoat if necessary with 5 hours interval.
- Avoid direct sunlight and wind at the early ages as it may increase the water evaporation and leads to cracks and lower quality. Dampen the treated surface a few hours after.
- At hot days keep the materials in cool and dry place, at high ambient temperatures use cool water.
- At cold days keep the materials at least

one day before usage at room temperature and mix with warm water. It is not recommended to apply at ambient temperatures lower than 5 °c as it contains cement.

Coverage

- It depends on the substrate condition and the porosity, but generally it is about 2 to 3 kg/ m² for 2 mm thickness.
- For local usage and crack filling 0.5 to 1.5 kg. The consumption of SA12 or SA46 is about 10 % of total weight of the powder.

Packaging

FARCOTOP 50 is supplied in 20 kg bags.

Shelf life and Storage

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

Technical Service

The SHIMISAKHTEMAN Technical Service Department is available to assist you in the correct use of our products in the field.



242 Bldg., Mirdamad Blvd., After Naft St., Tehran. Iran

Tel: +98 21 (22263100 , 22263099 , 22259736) Fax: +98 21 22260586



+98 21 27427