



DESCRIPTION

AIMCRETE FC is a polymer-enhanced coating that serves as a one-part solution to fill pores, blow holes, and other imperfections on concrete surfaces. It can be applied as a thin layer before applying protective coatings. It is designed to minimize shrinkage and prevent cracks, offering excellent adhesion to the underlying surface and flexibility. It is suitable for application within the thickness range of 0.5-5.0mm.

USES

- ▶ To address issues such as patch repairs, damages caused by shutter movement, and loss of grout.
- ▶ To concrete imperfections like honeycombs and blow holes in concrete.
- ▶ As a preparatory layer before applying protective coatings.
- ▶ To achieve a consistent and even surface over areas that have been repaired.

ADVANTAGES

- ▶ It only needs water to be added for preparation
- ▶ Minimizes shrinkage and is resistant to cracking
- ▶ Demonstrates outstanding adhesion to concrete
- ▶ Exhibits low permeability and resists the effects of chlorides and other chemicals
- ▶ Provides a smooth and easily applicable coating that is also flexible.

APPLICATION

Preparation:

Before applying AIMCRETE FC, ensure that the surface is in good condition, clean, and free from any contaminants. Remove any loose particles or debris. It is recommended to thoroughly wet the concrete surface before application, and if necessary, use a suitable bonding agent. To fill voids, the material should be mixed to a putty-like consistency.

Mixing:

To achieve the desired texture, AIMCRETE FC should be combined with clean water. The recommended water-to-bag ratio is 5-7 liters for a 25 KG bag. It is advisable to use an electric drill-type mixer for proper mixing. Care should be taken to avoid over-mixing. Once mixed, the material should be applied to the entire area with minimal trowelling. Allow a short period of time before performing the final trowelling. For minor imperfections, the material can be applied with a brush or roller, and any excess can be scraped off.

Curing:

Proper curing is crucial for achieving optimal results. It is especially important to exercise caution during periods of high temperatures and windy conditions.

CLEANING

Cleaning the tools with water is sufficient.

YIELD

The yield of one bag of AIMCRETE FC is 17 Liters.

AIMCRETE FC



PACKING AND STORAGE

The packagings available are: 15KGS , 20 KGS

It is important to store AIMCRETE FC in cool, dry, and shaded warehouses. When stored properly, under cover and away from direct sunlight, extreme temperatures, and as per the manufacturer's recommendations, the shelf life is 12 months. In extremely tropical climates, it is advisable to store the product in a cooled environment. Excessive humidity and prolonged exposure to UV rays can reduce the shelf life of the product.

SAFETY

AIMCRETE FC is formulated without any hazardous substances. However, as with all construction chemical products, it is important to exercise caution. When handling AIMCRETE FC, it is recommended to wear protective clothing such as gloves and goggles. For maximum safety, wearing a long sleeve overall, safety shoes, and a face mask is also advised. After each use, reseal the containers and store the product according to the safety instructions on the label. In case of contact with the skin or eyes, immediately rinse with fresh water. If any of the product is accidentally swallowed, do not induce vomiting, but seek immediate medical assistance. For more detailed information, please consult the Material Safety Data Sheet (MSDS) provided.

TECHNICAL SPECIFICATIONS

Property	@ 20°C	@ 35°C
Working Life (Approx)	45 mins	20 mins
Setting Time (BS075)	60 mins	45 mins
Fresh Wet Density	1840 kg/m ³	

Compressive Strength (ASTMC 109) Elongation @7days, 25N/mm² @28days, 40N/mm

The information given in this datasheet is based on both current development work and many years of field experience. Whilst every effort is made to ensure that the information is reliable, we cannot accept responsibility for any work carried out with our materials as we have no control over methods of application, site, conditions, etc.



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