



CC REP F100

Versatile Cement-Based Non-Shrinking Grout With Fiber

DESCRIPTION

CC REP F100 is a single-component polymer-modified structural grout, specifically composed of Portland cement, special aggregates, fibers, and unique additives. Supplied in dry powder bags, it solely requires the addition of clean water to form a cohesive mortar.

This versatile product serves as a multi-purpose concrete repair mortar.

CC REP F100 usage will not result in any rust, corrosion, or raveling, even under moist conditions.

CC REP F100 can generally be applied in thicknesses ranging from 8 mm to 50 mm.

ADVANTAGES

- Rapid hardening.
- High physical and mechanical properties
- Non-shrinkage material.
- High-resistant to water.
- High bond strength ensures excellent adhesion.
- External and internal use
- Thixotropic material suitable for overhead and vertical application.

METHOD OF USE

The areas to be repaired must be clean, sound, and free of contaminants. Before application, saturate the surface with water, then allow it to dry. Any loose or deteriorated concrete should be removed using mechanical means.

For each 25 kg bag of CC REP F100, add 4.5 - 6.5 liters of water. Mix the ingredients using a suitable electrical drill for 4-5 minutes or until a uniform lump free homogeneous mixture is obtained. Allow the grout to mature for 1 min prior to pouring.

Apply the paste of CC REP F100 using a clean steel trowel

Once the CC REP F100 has begun to set, it can be sprayed with a small amount of water onto the surface of CC REP F100 before final smoothing.

To cure the CC REP F100, use clean water for three days by spraying twice a day..

APPLICATIONS

CC REP F100 is utilized in

- Resurfacing deteriorated concrete.
- Filling voids and tie rods holes
- Grouting and anchoring structural steel and pre-cast concrete
- Repair concrete honeycombs



CHARACTERISTICS

Consumption : 18 kg/m² per 10mm thickness

Appearance : Grey Powder

Cl- Content : Nil

Grain Size : 0 to 2.5 mm plus fiber

Technical Data

CC REP F100 at 28 days

Compressive Strength : 52 Mpa

Flexural Strength : 7.83 Mpa

Bond Strength : 13.3 Mpa

Increase in length by: 0.112 %

STORAGE

CC REP F100 has a shelf life of 12 months from the date of manufacture if stored at temperatures between 2°C and 50°C, away from moisture in unopened bags.

PACKAGING

CC REP F100 is available in 25 kg bags.

CAUTIONS HEALTH AND SAFETY

The product may cause skin irritation. It is advisable to wear gloves and goggles. In case of contact with eyes or mucous membranes, flush immediately with plenty of warm water and seek medical attention without delay.

FIRE

CC REP F100 is nonflammable.