

INNO-MIX FOX CORRUGOL FM211

Surface Retardant for Visible Aggregate Concrete

Description

FOX CORRUGOL FM211, is a one-component, water-based, solvent-free surface retardant material used for the production of visible aggregate concrete.

Fields of Applications

- In architectural applications where aggregates are required to appear on the surface in poured-in-situ or precast concrete (wash concrete, exposed aggregate concrete)
- It provides an important convenience for the fresh in horizontal construction joints without the need for a physical abrasion (sandblasting, notching, chipping).
- It is used to obtain applications such as walkways and terrazzo with permanent visible aggregate surfaces.

Advantages

- It delays the normal hydration of the cement on the concrete surface (high cement content and temperature reduce the delay). Once the delay is over, the concrete continues to gain strength.
- The depth of the delayed layer depends on the amount of product applied, the time until the retarder is removed from the surface, the amount of water and cement in the mixture, and the ambient temperature.
- Reduces roughening labor costs
- Can be diluted according to the application purpose
- Easy to apply
- Solvent free

For Hardened Concrete

- Higher early strength compared to traditional water stop additives,
- High ultimate compressive strength,
- Higher modulus of elasticity,
- Improvement of the bond with the reinforcement,
- Low permeability,
- High durability,
- Adds low shrinkage and creep properties.

Technical Properties

Structure of Material	Liquid Polyhydroxy Compound
Density	1,20 gr/cm ³
Physical Appearance (Color)	Brown
pH Value	5,5 – 6,0
Total Solid Material	%42-43
Application Temperature	+5°C / +35°C

The above values are given at +23°C and 50% relative humidity. High temperatures shorten the time, low temperatures increase the time.

Application

Dilute with clean water at a ratio between 1:1 and 1:3 (1 part product: 3 parts water) according to the desired degree of effect. It should only be used in clean molds. When working with new lumber or formwork made of highly absorbent material, at least two coats should be applied. If the product is to be applied on the concrete surface, the application should be made before the first setting after the sweating water of the newly poured concrete has moved away from the surface. If the product is applied to the mold surface, pour the concrete into the molds immediately after the application.

Consumption

According to the roughness and absorbency of the mold, the desired dilution rate and roughening depth; 100–200 g/m²



Package

20 kg
plastic bin
1000 kg
IBC

Shelf Life

Shelf life is 12 months from the date of production when properly stored at room temperature, away from direct sunlight between +5°C and +30°C. The lids of opened packages can be re-closed and used throughout their shelf life.

Storage

It should be stored in its unopened original package, in a cool and dry environment, protected from frost. If the material that is not stored in suitable environments freezes, the product should be thawed by keeping it at room temperature without using direct heat, and mixed by mechanical methods until it becomes homogeneous. Compressed air should not be used in the mixing process. In short-term storage, maximum 3 pallets should be placed on top of each other and shipment should be made with a first-in, first-out system. In long-term storage, pallets should not be placed on top of each other.

Safety Precautions

It is dangerous to approach storage and application areas with fire. Storage and application areas should be ventilated. During the application, work clothes, protective gloves, glasses and masks in accordance with the occupational and worker health rules should be used. During storage and application, it should not be contacted with the skin and eyes, in case of contact, it should be washed with plenty of water and soap, and if swallowed, a doctor should be consulted immediately. Food and beverage materials should not be brought into the application areas. It should be stored out of the reach of children.

For detailed information, the Material Safety Data Sheet should be consulted.

Disclaimer

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