

INNO-MIX FOX SEALPLUS FM501

Increasing Water Impermeability in Concrete, Water Reducing and Plasticizer Concrete Admixture

Description

FOX SEALPLUS FM501, is a plasticizing concrete additive material that reduces water in concrete, increases the water impermeability of concrete, drag limited air.

Bayındırlık Poz No: 04. 613/1-C

Fields of Application

• It is used as an additive in the production of all kinds of concrete which have continuous or limited contact with water.

Advantages

- Increases impermeability to capillary water absorption.
- Reduces water and cement without reducing workability in concrete.
- Provides easy pumping of concrete and settling easily during casting.
- It eases the finishing with gauge in concrete casting,
- Does not contain chlorine.

Technical Data

Structure of Material	Lignin Sulfonate, Surface Active Matters
Density	1,05 – 1,09 kg/lit
Color	Brown
pH	5-7
Chlorine content	EN 480-10 <0,1%
Alkali content	EN 480-12 <10%
Application Surface Temperature	+5°C / +35°C
Service Temperature	-20°C / + 80°C

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

Mixing

The binder and aggregate should be mixed until a homogeneous mixture is obtained. After ½ of the water to be mixed is added to the mixture, **FOX SEALPLUS FM501** and ½ of the remaining water is added to the mixture. **FOX SEALPLUS FM501** must be mixed for 1 minute or in the time determined in laboratory experiments in order to distribute the mixture very well.

Coverage

It is recommended to use 0.5-0.8 kg ratio in 100 kg binder. Usage dosage should be decided by prior laboratory experiments according to the concrete class.

Watch Points

FOX SEALPLUS FM501 can be used with the following materials.

- Can be used with all cement types.
- Used with mineral additives such as micro silica, fly ash and slag.
- Can be used with other concrete additives, **FOX ADMENT FM777** and **FOX ADMENT PLUS FM133**.
- Can be used with **FOX ADMENT PLUS FM133**.
- Used with air entraining additives to increase Freeze - Thaw resistance.
- Used with synthetic and steel fibers against cracks caused by plastic shrinkage.
- In environments with high temperature and high air flow, to prevent evaporation of mixing water in concrete
- Used by selecting the most suitable curing materials such as **FOX PL-CURE FR811**, **HYDROCURE FR761**, **FOX ACURE FR570**.



Package

20 kg plastic drum

Shelf Life

When stored properly at room temperature, away from direct sunlight, between +5°C and +30°C, shelf life is 12 months from the date of production. Opened packages can be used throughout their shelf life by closing the covers again.

Storage

Should be stored in its original package, in a cool and dry place protected from frost. In short-term storage, maximum 3 pallets should be placed on top of each other and shipment should be made with the 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 the storage and application areas with fire. Storage and application areas should be ventilated.

During the application, work clothes, protective gloves, goggles, masks in accordance with the occupational health and safety rules should be used. During storage and application, the material should not be contacted with the skin and eyes, if contacted, should be washed immediately with plenty of water and soap, and if swallowed, should be sought medical attention immediately. Foods and drinks should not be taken into the application areas. The material should be stored out of the reach of children.

For detailed information, please refer to the Material Safety Data Sheet.

Disclaimer

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