

INNO-MIX FOX ADMENT NS FM302

High Range Water Reducing, Super Plasticizing Concrete Admixture

Description

FOX ADMENT NS FM302 is a naphthalene sulfonate based, highly water reducing superplasticizer additive that improves the early and final strength of concrete.

Fields of Application

- Areas where workability, normal curing time and high strength are required,
- In pre-stressed, precast and ready-mixed concrete applications,
- Construction and mining applications

Advantages

- More lower placement energy,
- High efficiency rates and lower costs,
- Enables manufacturing at lower costs at higher productivity rates
- It enables to get results before the target calendar with the early resistance that allows accelerated manufacturing methods.

For fresh concrete;

- Controlled curing time
- Cohesive and non-decomposing concrete
- Minimum water vomiting

For hardened concrete;

- Higher early strength compared to conventional water-cutting additives
- High ultimate compressive strength
- High elasticity module
- Increasing the adherence of concrete with reinforcement
- Low permeability
- High durability
- Low shrinkage and creep

Technical Data

Structure of Material		Naphthalene Sulphonate Based
Density		1,184 – 1,244 kg/lt
Color		Brown
Chlorine Content	EN 480–10	<0,1%
Alkali Content	EN 480–12	<10%

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 (such as cement-micro silica-fly ash-slag) and aggregate should be mixed until a homogeneous mixture is obtained. After adding 50% -70% of the water to be added to the mixture, **FOX ADMENT NS FM302** should be added to the mixture along with the remaining water. In order for the **FOX ADMENT NS FM302** to be homogeneously dispersed in the mixture, it should be mixed preferably for 60 seconds or in the time determined in laboratory experiments.



Compatibility with Other Materials

FOX ADMENT NS FM302 can be used with the following materials as compatibility.

- Can be used with all cement types.
- It is used with mineral additives such as micro silica, fly ash and slag where binding material is needed in high ratio.
- It is used with air entraining additives to increase Freeze - Thaw resistance.
- Shrinkage is prevented by using together with **FOX BINDER FM125**.
- Used with synthetic fibers and steel fibers against cracks caused by plastic shrinkage.
- In environments with high temperature and high air flow; to prevent evaporation of the mixing water in the concrete, **FOX PL-CURE FR811**, **FOX HYDROCURE FR761**.
- It is used by selecting one of the most suitable curing materials such as **FOX ACURE FR570**.

Coverage

FOX ADMENT FM NS FM302 is recommended to be used in a ratio of 1.0 - 2.0 kg to 100 kg binder (such as cement-micro silica-fly ash-slag). Usage dosage should be determined by prior laboratory experiments according to concrete class and properties.

Package

- 20 kg plastic can
- 230 kg barrel

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.

Storage

It should be stored in its original package, in a cool and dry place, away from direct sunlight and protected from frost. In short term storage, 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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