

INNO-MIX FOX ADMENT FM561

Curing Retarder, High Rate Water Reducer, Super Plasticizer Concrete Admixture

Description

FOX ADMENT FM561 is a naphthalene sulfonate-based, high-water-reducing / superfluidizing concrete admixture that has a curing retarding feature and increases the final strength of concrete by giving reoplastic properties to concrete.

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TS EN 934-2 / Çizelge 11.1 ve 11.2: In compliance with curing retardant, high-water-reducing / superfluidizing concrete admixture conditions.

ASTM C 494 Tip G: In compliance with curing retardant, high-water-reducing / superfluidizing concrete admixture conditions.

Fields of Application

- In the production of ready-mixed concrete with pump and without pump,
- Where concrete transportation takes longer than 1 hour,
- In concrete castings where concrete is pumped more than 200 meters away or in concrete castings in high places,
- In concrete castings in places where the ambient temperature exceeds + 40°C and the humidity is low,
- In critical castings where the hydration temperature control is desired in concrete (such as mass concrete casting),
- It is used in the production of reoplastic concrete, which can be placed easily in reinforced concrete elements.

Advantages

- Decreases the amount of water at least 12% by weight compared to concrete without admixture.
- Provides lower water / cement ratio in the same workability or high workability and easy pumpability compared to concrete without admixture.
- Minimizes the negative effects of temperature on concrete workability.
- Provides to retain its Reoplastic feature of concrete for a long time.
- Increases final strengths compared to concrete without admixture.
- It provides improvement on formwork and gauge surfaces compared to concrete without admixture.
- Improves other mechanical properties of concrete such as impermeability, permanence, shrinkage and creep.
- **FOX ADMENT FM561** does not contain chlorine.

Technical Data

Structure of Material		Naphthalene Sulphonate Based
Color		Brown
Specific weight		1,142 - 1,202 kg/liter
Chlorine content	EN 480-10	<0,1%
Alkali content	EN 480-12	≤5%

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

Compatibility with Other Materials

- Can be used with all cement types.
- Used with mineral additives such as micro silica, fly ash and slag.
- Used with **FOX ADMENT MS FM290**, micro silica, to increase the performance of concrete and increase its durability in aggressive environments.
- Used with synthetic fibers and steel fibers against cracks caused by plastic shrinkage.
- In environments with high temperature and high air flow; it should be used by selecting the appropriate curing material from **FOX PL-CURE FR811**, **FOX HYDROCURE FR761**, **FOX ACURE FR570** and **FOX P-CURE FR515** to prevent evaporation of the mixing water in the concrete.
- To prevent the concrete mixing water from decreasing rapidly; Shrinkage is controlled by using **FOX BINDER FM125**.



Application

Binder (cement, micro silica, fly ash, slag etc.) 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 FM561** should be added to the mixture along with the remaining water. In order for the **FOX ADMENT FM561** to be homogeneously dispersed in the mixture, it should be mixed preferably for 60 seconds or in the time determined in laboratory experiments.

Coverage

FOX ADMENT FM561 is recommended to be used in a ratio of 1.0 - 2.0 kg for 100 kg binder (such as cement, micro silica, fly ash, slag). Dosage for use should be determined by prior laboratory experiments according to the concrete class and properties. For detailed information, **SARTECH Yapı Malzemeleri San. ve Tic. Ltd. Sti.** Technical Service should be consulted.

Package

30 kg can

1000 kg IBC

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

It should be stored in its original package, in a cool and dry place, away from direct sunlight and protected from frost. If the material that is not stored in suitable environments freezes, the product should be dissolved by waiting at room temperature without using direct heat, and mixed with mechanical methods until it becomes homogeneous. Compressed air should not be used in mixing process. For short-term storage, shipment must 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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