

INNO-MIX FOX ADMENT FM585

High Rate Water Reducing, Super Plasticizing Concrete Admixture

Description

FOX ADMENT FM585 is a naphthalene sulfonate based, highly water reducing / superplasticizer additive material that increases the early and final strengths of concrete by giving reoplastic properties.

In compliance with TS EN 934-2 : T 3.1/3.2 standards.

Fields of Application

- Where high plasticity, normal setting properties and accelerated forces are desired in concrete
- In pre-stressed, precast and ready-mixed concrete applications,
- Construction and mining applications

Advantages

- High efficiency rates and lower costs
- To get results before the target calendar with early strength that allows accelerated manufacturing methods
- Reducing work time and cost thanks to high productivity rates and trained workforce

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
Color	Brown
Specific weight	1,175 - 1,235 kg/liter
pH value	5 - 7
Alkali content	≤10,00% (weight)
Chlorine ion content	≤0,10% (weight)

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

- **FOX ADMENT FM585** additive can be used with all cement in EN 197 standard. For use with other special cements, please consult to Technical Service of SARTECH Yapı Malzemeleri San. ve Tic. Ltd. Sti.
- **FOX ADMENT FM585** additive should not be mixed with other additives beforehand. If other additives are used in a concrete containing **FOX ADMENT FM585** additives, these must be added to the mixture separately.
- 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.
- **FOX ADMENT FM585** additive is not compatible with **FOX ADMENT PC FM300** (Polycarboxylic ether based) series additives. In addition, when it is necessary to use with special additives, it is important to conduct a laboratory trial to determine the relevant dosages and usability of the concrete in fresh and hardened conditions before any application. For more suggestions in these cases, we recommend you to contact the SARTECH Yapı Malzemeleri San. ve Tic. Ltd. Sti. Technical Service Department of the Construction Chemicals Department.



Application

FOX ADMENT FM585 is a ready-to-use additive which is added to the concrete mixture as a separate component. The best performance is achieved if **FOX ADMENT FM585** is dispersed into the concrete mixture after the first 80% of the mixing water is added (when all solid components are wet). Adding additives to dry aggregates should be avoided.

Coverage

FOX ADMENT FM585 is recommended to be between 0.8 - 2.0 kg per 100 kg of cement. Consumptions given are for normal use, do not imply absolute limits. For use dosage recommendations in special cases, we recommend that you consult the Technical Service of SARTECH Yapı Malzemeleri San. ve Tic. Ltd. To ensure optimum dosage and effect, the results of the trial mixes should be considered.

Package

1200 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.

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 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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