

## INNO-MIX FOX ADMENT PLUS FM 133

### High Water Reducer / Super Plasticizer Concrete Admixture

#### Description

**FOX ADMENT PLUS FM 133**, Melamine sulfonate based, water / cement ratio of the concrete, hydrophobic (water repellent), early high strength increases, super plasticizer concrete admixture.

**Bayındırlık Poz No: 04. 613/ 1-A3 TS EN 934-2 chart**

**3.1 and chart 3.2: High Rate Water Reducing / Superplasticizer Admixture ASTM C 494 Tip**

**F: Complies with High Water Reducing Concrete Admixture Standards.**

#### Usage places

- Precast and prefabricated concrete production
- Cold climate concrete casting,
- In prestressed concrete production with low water / cement ratio,
- Where early mold is required,
- In the production of colored precast concrete,
- In rheoplastic concretes that can be easily placed in reinforced concrete elements,
- Zero - slump is used in concrete casting.

#### Benefits

- Reduces the amount of water by at least 12% by weight compared to concrete without admixture, hydrophobic (water repellent)
- It provides lower water / cement ratio at the same workability or higher workability and easy pumpability at the same water / cement ratio compared to concrete without admixture.
- Increases early and final strengths compared to concrete without admixture,
- Increases compressive and bending strength of concrete compared to concrete without admixture,
- Decreases mold release time compared to concrete without admixture,
- Increases abrasion resistance of concrete by reducing decomposition and perspiration,
- It increases the resistance of concrete against freezing and thawing cycle,
- Improves other mechanical properties of concrete such as impermeability, permanence, shrinkage and creep,
- In frequently reinforced concrete structures, bile settles with less vibration,
- Does not contain chlorine.

#### Technical Specifications

Structure of Material	Melamine Sulfonate Based
Density	1,162 – 1,222 kg/lit
Color	Transparent
Chlorine Content EN 480-10	< 0,1
Alkaline Content EN 480-12	< 10

Yukarıdaki değerler +23°C'de ve %50 bağıl nem için verilmiştir. Yüksek sıcaklıklar süreyi kısaltır, düşük sıcaklıklar süreyi uzatır.

#### 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 PLUS FM 133** should be added to the mixture with the remaining water. The **FOX ADMENT PLUS FM 133** should be mixed for 1 minute, or for a period determined in laboratory tests, in order to distribute the mixture homogeneously.

### Compatibility with Other Additives

**FOX ADMENT PLUS FM 133** can be used in accordance with the following materials.

- Used with all cement types.
- It is used with mineral admixtures such as micro silica, fly ash and slag when high binding material is needed.
- It is used with air entraining additives in order to increase freezing and thawing resistance.
- In combination with **FOX BINDER FM 125**, shrinkage is prevented.
- It is used together with synthetic and steel fibers against cracking caused by plastic shrinkage..
- In high temperature and air flow environments; In order to prevent evaporation of mixing water in concrete, it is used by selecting the appropriate curing materials such as **FOX PL-CURE FR 811**, **FOX HYDROCURE FR 761**, **FOX ACURE FR 570**.

### Consumption

**FOX ADMENT FM 133** is recommended to be used at a rate of 1.0 - 2.0 kg per 100 kg binder (such as cement-micro silica-fly ash-slag). Usage dosage should be determined by laboratory tests according to concrete class and properties.

#### packing

30 kg drum

#### Shelf Life

Shelf life is 12 months from the date of production when stored properly at +5 °C to +30 °C at room temperature, away from direct sunlight. Opened products must be used within 1 week.

#### Storage

The product should be stored in its original package, in a cool and dry place protected from frost. For short term storage, maximum 3 palletes should be placed on top of each other and the shipment should be made on a 'first come, first go' basis. Palletes should not be placed on top of each other during long term storage.

#### Health and Safety Precautions

It is dangerous to approach the application sites with fire. Fresh air should be circulated in the storage and the application sites. During the application, a protective apparel, protective gloves, goggles and masks which comply with the Occupational Health and Safety Rules should be used. Due to the irritation effect of the uncured materials, the mixture should not come into contact with skin and eyes; in case of a contact, the affected area should be washed with plenty of water and soap; in case of swallowing, a physician should be consulted immediately. No food or beverages should be brought to the application area. The product should be stored and kept out of reach of children.

For detailed information please consult the Material Safety Data Sheet.

#### Disclaimer

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