

INNO-MIX

FOX MIXAIR FM202

Air-Entraining/Plasticizing Admixture

Description

FOX MIXAIR FM202 is a colorless air-entraining/plasticizing admixture that forms micro air bubbles to improve the workability and freeze–thaw resistance of cement-based mortars and concretes.

Complies with the requirements of EN 934-2+A1:2012 Table 5 and EN 934-3+A1:2012 Table 2.

Areas of Application

- Used in repair mortars,
- In applications requiring improved water impermeability in concrete,
- Used to increase workability in concretes that are difficult to place and compact.

Advantages

- Improves workability.
- Increases freeze–thaw resistance.
- Reduces water content; lowers the water–cement ratio and contributes to strength development.
- Prevents segregation and settlement in fresh concrete.
- Facilitates compaction by vibration.
- Provides a positive contribution to the water impermeability of concrete.
- Compatible with all types of cement.

Technical Properties

Colour		Colorless
Density		1.00 g/cm ³
Compressive Strength	EN 12390-3	The compressive strength of the tested concrete shall be at least 75% of the control concrete.
Air Content in Fresh Concrete	EN 12350-7	The air content of the tested concrete shall be at least 2.5% (by volume) higher than that of the control concrete.
Air Void Characteristics in Hardened Concrete	EN 480-11	≤0.200 mm
28-Day Compressive Strength	EN 1015-11	The compressive strength of the tested mortar ≥70% of the control mortar.
Air Content After Standard Mixing	EN 1015-7	17%±3

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

Application Procedure

Consumption

For 50 kg of cement, 25 ml–50 ml of **FOX MIXAIR FM202** should be used. (General dosage: 0.05%–0.10% of the cement weight) Shake the product before use.

Points to Consider

Fly ash-based cements, organic components in sand and clay may affect performance.

Packaging

- 1 L Bottle
- 5 L Canister

Shelf Life

When stored properly at room temperature, away from direct sunlight and between +5°C and +30°C, the shelf life is 12 months from the date of production. Opened packages should be tightly closed and used within 1 week.

Storage

Store in the unopened original packaging in a cool and dry place, protected from frost. For short-term storage, a maximum of 3 pallets may be stacked and shipment should follow the first-in-first-out principle. For long-term storage, pallets must not be stacked.



Safety Precautions

Approaching storage and application areas with fire is dangerous. Storage and application areas should be well ventilated. During application, appropriate work clothing in accordance with occupational health and safety regulations, protective gloves, goggles and masks must be used. Avoid contact with skin and eyes during storage and application; in case of contact, wash immediately with plenty of water and soap. If swallowed, seek medical attention immediately. Food and beverages must not be brought into application areas. Store out of the reach of children. For detailed information, refer to the Safety Data Sheet (SDS).

Responsibility

The data contained in this technical document are based on our scientific and practical knowledge. Fox Bau Yapı Kimyasalları A.Ş. is responsible only for the quality of the product. Our company cannot be held responsible for results arising from uses other than the written recommendations regarding where and how the product should be used and/or from incorrect applications. For detailed information, refer to the Safety Data Sheet and Technical Data Sheet or contact our company representatives.



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