

INNO-SEAL

FOX MULTISEAL® FS367

Semi-Elastic Waterproofing Material

Description

FOX MULTISEAL® FS367, is a cement and polymer dispersion based, two-component, semi-elastic waterproofing material designed for all kinds of reinforced concrete surfaces and cement based plasters.

EN 1504-2:2004 Products and systems for the protection and repair of concrete structures; Conforms to the standard of surface protection systems for concrete. Provides 2.2, 8.2 conditions.

Fields of Application

- From the positive direction of water in indoor and outdoor, horizontal and vertical applications,
- Wall and floor coverings of cold storage rooms
- In all wet areas such as bathrooms, balconies, kitchens, etc,
- On small terraces (provided they are covered),
- Foundation, curtain and retaining walls,
- Flower bed insulation,
- Used in water and balance tanks.
- Used in drinking water tanks. (approved by Akdeniz University Department of Chemistry Education for contact with drinking water according to BS6290 standard)

Advantages

- Semi-flexible and water resistant.
- Easy to prepare and apply.
- Can be applied with brush or spraying machine.
- The product has a long working time.
- Thanks to its high adhesion performance and semi-flexibility, it forms a waterproof layer under screed and tiles.
- It forms a jointless, seamless, permanent, waterproof coating.
- Resistant to chemicals and salt solutions in soil.
- Permeable to water vapor.
- Resistant to freeze - thaw cycles.

Technical Properties

Material Structure	Component A Component B	Mineral fillers, special cement, polymer Liquid polymer dispersion
Density		1,90±0,05 kg/L
Floor Temperature		+5°C / +30°C
Service Temperature		-20°C / +80°C
Water Vapor Permeability	EN ISO 7783	Class I
Water Absorption and Water Permeability	EN 1062-3	≤0,10 kg/m ² .h ^{0,5}
Adhesion Strength by Pull-Out Test	EN 1542	≥1,00 N/mm ²
Pressurized Water Strength		≥2,00 bar (Pozitif)
Fire Reaction	EN 13501-1	A2-s1,d0
Pot Life		~2 hours
Maturation Time		3-5 min
Minimum Application Thickness		≥2 mm
Opening for Use	Mechanical Strength	After 2 days
	Water Impermeability	After 7 days
Coating Over	Plaster	3 days
	Tiles	3 days

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



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Application Procedure

Substrate Preparation

The surface to be applied must be solid, free from all kinds of oil, grease, rust, paraffin, paint, bitumen residues that will prevent adhesion to the surface and all loose parts must be cleaned. Iron and wooden wedges on the surface should be removed and active water leaks, if any, should be plugged with **FOX PLUG FC340** Existing gaps, uneven surfaces and corner edges (chamfering at least 4 cm) should be made with **FOX MORTAR FC188 T** repair mortar. The surface should be moistened before application. If the coating material loses its water immediately during application and takes on a dull appearance, it is understood that the surface is not sufficiently moisturized or dries quickly. In such cases where the weather is hot or the materials are in the wind, water up to 10% of the **FOX MULTISEAL® FS367** B component can be added to the mixed material for the first layer only.

Mixing

Add 1/2 of the **FOX MULTISEAL® FS367** B component into a clean mixing bowl. While **FOX MULTISEAL® FS367** A component is added slowly, it is mixed for about 2-3 minutes with an electric mixer with 400-600 rpm and a suitable mixing tip. The paste-like mixture is rested for 3-5 minutes to mature, the remaining B component is added and mixed for 1-2 minutes and made ready for application.

Mixing Ratios

20 kg **FOX MULTISEAL® FS367** A component is mixed with 5 kg **FOX MULTISEAL® FS367** B component.

Application

The prepared **FOX MULTISEAL® FS367** mixture is applied in two or three layers with a minimum 2 mm dry film with the help of an insulation brush. The brush application direction in each layer should be perpendicular to each other. Waiting time between coats varies according to ambient conditions. Depending on the application area and size, an alkali-resistant non-finished mesh should be used. It is recommended to use a FOX brand tile adhesive that provides C1/C1T/C1TE/C2TE/C2ES1/C2TES1/C2TES1/C2TES2 properties according to EN 12004-1 standard depending on the size of the tile, marble etc. coating material to be applied on it and the place of use.

Cleaning of Tools

Tools and equipment used after application should be cleaned immediately with water. **FOX MULTISEAL® FS367** can only be mechanically cleaned from the surface after hardening.

Consumption

Primer; 1,00 kg/m²

1. layer; 1,50 kg/m²

2. layer; 1,50 kg/m²

Watch Points

- When applying **FOX MULTISEAL® FS367** if the ambient and surface temperature is below +5°C or above +30°C, suitable temperatures should be expected. Application should not be made in extremely hot, rainy or windy weather. **FOX MULTISEAL® FS367** applied at +23°C gains mechanical strength after 3 days, becomes waterproof after 7 days and reaches its final strength after 28 days.
- In exterior surface applications, the surface must be protected from sun, wind, rain or frost for the first 24 hours. The working and reaction times of cement and acrylic based systems are affected by ambient and ground temperature and relative humidity in the air. At low temperatures, the reaction slows down, which prolongs pan life and working time. High temperatures accelerate the reaction and the times mentioned above are shortened accordingly.
- For the material to cure, the ambient and ground temperature must not fall below the minimum permissible temperature.
- In application, the wet film thickness should not exceed 1.30 mm in a single layer. Places that need to be walked on should be covered with **FOX BINDER FM125** reinforced screed.
- It is recommended to use **INNO-FIX** series tile adhesives for coating tile, marble etc. products.

Package

25 kg Set

Component A; 20 kg polyethylene reinforced kraft bag

Component B; 5 kg tin gallon

Shelf Life

When stored correctly at room temperature, away from direct sunlight, between +5°C and +30°C, the shelf life is 12 months from the date of manufacture. **FOX MULTISEAL® FS367** B component freezes at temperatures below 0°C. Opened packages should be kept tightly closed in suitable storage conditions and used within one week.



Storage

It should be stored in its unopened original packaging, in a cool and dry environment, protected from frost. For short-term storage, maximum 3 pallets should be stacked on top of each other and shipment should be made on a first-in, first-out basis. For long term storage, pallets should not be stacked 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, it should not be contacted with the skin and eyes, should be washed immediately with plenty of water and soap, and if swallowed, seek medical attention immediately. Food and drink materials should not be brought to the application areas. It should be stored out of the reach of children.

For detailed information, please refer to the Material Safety Data Sheet.

Disclaimer

The data contained in this technical document is based on our scientific and practical knowledge. Fox Bau Yapı Kimyasalları A.Ş. is only responsible for the quality of the product. Our company cannot be held responsible for the consequences that may occur due to misuse and/or other than the written suggestions about where and how the product will be used. For detailed information, the safety data sheet and technical data sheet should be consulted or our company officials should be contacted.



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