

INNO- SEAL FOX MULTISEAL® FS367

Cement and Polymer Dispersion Based, Two Component, Semi-Elastic Waterproofing Material

Description

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

It meets the requirements of EN 1504-2 / Principles 2.2 and 8.2.

Usage Areas

- In indoor and outdoor, horizontal and vertical applications, the water comes from the positive direction,
- In wall and floor coverings of cold storages
- In all wet areas such as bathrooms, balconies, kitchens,
- On small terraces (provided that they are covered),
- On foundation, curtain and retaining walls,
- In flower bed insulation,
- It is used in water and balance tanks.
- It is used in drinking water tanks. (The contact with drinking water has been approved by the Department of Chemistry Education of Akdeniz University according to the BS6290 standard)

Advantages

- It is semi-flexible and water impermeable.
- Easy to prepare and apply.
- It can be applied with a brush or spray machine.
- Working time is long.
- Thanks to its high adhesion performance and semi-flexibility, it creates a waterproof layer under screed and ceramic.
- It creates a jointless, seamless, permanent, waterproof coating.
- Resistant to chemicals and salt solutions in the soil.
- It is permeable to water vapor.
- Resistant to freeze-thaw cycle.

Technical Properties

Structure of Material	A component	Special cement, mineral fillers, polymer
	B component	Liquid polymer dispersion
Density		1,9 kg/lt
Color		Dark cement color
Adhesion Strength	EN 1542	Rigid Systems, without traffic load 2,5 N/mm ²
Resistance to Pressurized Water		2 bar (Positive)
Capillary Water Absorption	EN 1062-3	$w < 0,1 \text{ kg}/(\text{m}^2 \cdot \text{h}^{0,5})$
Water Vapor Permeability	EN ISO 7783-1	Class I / Sd < 50 mt
Reaction to Fire	EN 13501-1	A2
Application Surface Temperature		+5°C / +25°C
Service Temperature		-20°C / +80°C
Mixture Usage Time		2 hours
Opening to Use	Mechanical Strength	3 days
	Water Impermeability	7 days
Coating on it	Liquid or Ceramic	3 days



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



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Application Procedure

Surface Preparation

The surface to be applied must be sound, free of any 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 blocked 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 and takes on a matte appearance during application, it is understood that the surface is not sufficiently moistened or dries quickly. In cases where the weather is hot or the materials are exposed to the wind, 10% water of **FOX MULTISEAL® FS367 B** component can be added into the mixed material only for the first layer.

Mixing

FOX MULTISEAL® FS367 B component is poured into a clean mixing bowl. While adding **FOX MULTISEAL® FS367 A** component slowly, it is mixed with an electric mixer of 400-600 rpm and a suitable mixing tip. The mixture is mixed for about 3-5 minutes until it is completely homogeneous and rested for 2 minutes. Then it is mixed again for 1 minute to make it ready for application.

Mixing Ratios

Mix 20 kg of **FOX MULTISEAL® FS367 A** component with 5 kg of **FOX MULTISEAL® FS367 B** component.

Application

The prepared **FOX MULTISEAL® FS367** mixture is applied in two or three layers with the help of an insulation brush. The brush application direction on each layer should be perpendicular to each other. Waiting time between layers varies according to ambient conditions.

Cleaning of Tools

Tools and equipment used after the application should be cleaned with water.

Consumption

Primer; 1,00 kg/m²
1.layer; 1,50 kg/m²
2.layer; 1,50 kg/m²

Watch Points

- In the application of **FOX MULTISEAL® FS367**, if the ambient and surface temperature is below +5°C or above +25°C, suitable temperatures should be expected. It should not be applied 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.
- For exterior applications, the surface must be protected from sun, wind, rain or frost for the first 24 hours. Working and reaction times of cement and acrylic based systems are affected by ambient and ground temperature and relative humidity in the air. The reaction slows down at low temperatures, which extends pan (pot) life and working time. High temperatures accelerate the reaction and the times mentioned above are shortened accordingly.
- In order for the material to complete its curing, the ambient and ground temperature must not fall below the minimum allowable temperature.
- In application, wet film thickness should not exceed 1.30 mm in one coat. The areas that need to be walked on should be covered with **FOX BINDER FM125** added screed.
- It is recommended to use **INNO-FIX** series ceramic adhesives for coating products such as ceramics and marbles.

Package

25 kg Set
A Component; 20 kg polyethylene reinforced kraft bag
B Component; 5 kg tin gallon

Shelf Life

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



Storage

It should be stored in its unopened original package, in a cool and dry environment, protected from frost. In short-term storage, maximum 3 pallets should be placed on top of each other and shipment should be made on a first-in, first-out basis. In long-term storage, pallets should not be placed on top of each other.

Safety Precautions

It is dangerous to approach storage and application areas with fire. Storage and application areas should be ventilated. During the application, work clothes, protective gloves, glasses and masks in accordance with the occupational and worker health rules should be used. During storage and application, it should not be contacted with the skin and eyes, in case of contact, it should be washed with plenty of water and soap, and if swallowed, a doctor should be consulted immediately. Food and beverage materials should not be brought into the application areas. It should be stored out of the reach of children.

For detailed information, the Material Safety Data Sheet should be consulted.

Disclaimer

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EN 1504-2:2004

FOX MULTISEAL® FS3 Ltd. Şti.67

Cement and Polymer Dispersion Based, Two Component,

Semi-Elastic Waterproofing Material

Principles 2.2, 8.2

Determination of Carbon Dioxide Permeability/ NPD

Determination of Water Vapor Transmission Properties/
Class I Sd<5 m

Determination of Capillary Water Absorption and Water
Permeability/
W<0,1 kg/(m²*h^{0,5})

Determination of Adhesion Strength by pull-of Method/
Rigid Systems, without Traffic Load
≥1,0 (0,7 min) N/mm²

Reaction to Fire / Class A2

Dangerous Goods / Compliance with Article 5.3



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