

INNO- SEAL

FOX MULTISEAL® STANDART

Cement and Polymer Dispersion Based, Two Component, Can be Applied Negatively and Positively, Semi-Elastic Waterproofing Material,

Description

FOX MULTISEAL® STANDART is a cement and polymer dispersion based, two-component waterproofing material that prevents moisture, leakage and surface water on concrete surfaces and can be applied in a negative and positive direction.

Fields of Application

- Indoors and outdoors, on vertical and horizontal from positive and negative direction,
- In all wet volumes such as bathroom, balcony etc.
- On walls and floor coatings of cold weather storage,
- On foundation, curtain and retaining walls,
- On the basement floors from negative and positive direction,
- In elevator pits,
- In flowerpot insulation,
- Protecting the concrete from water, carbonation and de-icing salts,
- In pickled ponds,
- In fish breeding ponds,
- In food storages,
- In hydroelectric power plants,
- Used in water and balance tanks

Advantages

- Easy to prepare and apply,
- Can be applied with brush or spraying machine,
- Long working time,
- Has capillary effect,
- Very high adhesion strength. It works together with the surface.
- Effective from negative and positive direction(4 bar negative - 10 bar positive),
- Due to its high adhesion performance and semi-elasticity, it forms a water impermeable layer under the screed and ceramic,
- Creates a joint-less, seamless, permanent, waterproof coating,
- Resistant to chemical and salt solutions in the ground,
- Water vapor permeable,
- Resistant to freeze-thaw effect.

Technical Data

Structure of Material	Component A	Mineral fillings, special cement, polymer
	Component B	Liquid polymer dispersion
Density		1,98 kg/lt
Color		Gray
Adhesion Strength		1,5 N/mm ²
Flexural Strength		3,7 N/mm ²
Pressurized Water Strength		4 bar (Negative) - 10 bar (Positive)
Water Vapor Permeability		(H ₂ O) 86-120
Application Surface Temperature		+5°C / +25°C
Service Temperature		-20°C / +80°C
Mixture Working Time		45 minutes
Opening to Use	Mechanical Strength	2 days
	Water impermeable	7 days
Coated on it	Plaster or Ceramic	3 days

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



Application Procedure

Preparation of the Substrate

The surface to be applied must be solid, free from 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 repaired with **FOX PLUG FC340** and the gaps, uneven surfaces and corner edges (chamfer making at least 4 cm) should be repaired with **FOX MORTAR FC188 T** repair mortars. The surface should be wetted before application, however, ponding should not be allowed. If waterproofing material loses its water immediately and takes a matte appearance during application, it is understood that the surface is not wetted sufficiently or the product dries quickly due to weather conditions.

Mixing

The 1/2 ratio of the **FOX MULTISEAL® STANDART** B component is poured into a clean mixing bowl. 5-5.5 liters of water are added. While slowly adding **FOX MULTISEAL® STANDART** component A, it is mixed with an electric mixer of 400-600 rpm/min and suitable mixing tip. The mixture is mixed for about 3-5 minutes. The mixture, which has the consistency of paste, is rested for 2 minute, the remaining B component is added and mixed for 1-2 minutes and made ready for application.

Mixing Ratios

25 kg of **FOX MULTISEAL® STANDART** component A
2 kg of **FOX MULTISEAL® STANDART** component B.
is mixed with 5-5.5 liter water.

Application

The prepared **FOX MULTISEAL® STANDART** mixture is applied in two or three coats with the help of an insulating brush. The brush application direction on each layer should be perpendicular to each other. Waiting time between layers varies according to the ambient conditions. **FOX MULTISEAL® FS488** should be used in the application of mesh and **FOX TRITABLE 120** chamfer band in the corners.

Cleaning of the Tools

Tools and equipment used after the application should be cleaned with water. **FOX MULTISEAL® STANDART** can only be removed from the surface mechanically after it hardens.

Coverage

Primer; 1,30 kg/m²
1st Coat; 1,20 kg/m²
2nd Coat; 1,20 kg/m²

Watch Points

- In the application of **FOX MULTISEAL® STANDART**, if the ambient and surface temperature is below +5°C or above +25°C, suitable temperatures should be expected. Application should not be made in extremely hot, rainy or windy weather. **FOX MULTISEAL® STANDART** applied at +23°C gains mechanical strength after 2 days, can be covered after 3 days, becomes waterproof after 7 days and reaches its final strength after 28 days.
- In exterior surface applications, the surface should 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. At low temperatures, the reaction slows down, which increases 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 floor temperature and ambient temperature to be applied must not fall below the minimum allowed value.
- In application, wet film thickness should not exceed 1,30 mm in one layer. The places to be walked on should be covered with **FOX BINDER FM125** additive screed.
- If it will be covered with ceramic and marble products, it is recommended to use **INNO-FIX** series ceramic adhesives.

Package

25 kg Set
Component A; 25 kg Polyethylene reinforced Craft bag
Component B; 2 kg Tin gallon



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. The component B of **FOX MULTISEAL® STANDART** freezes at temperatures below 0°C. Opened packages should be kept tightly closed, stored in appropriate storage conditions and consumed in one week.

Storage

Should be stored in its original package, in a cool and dry place protected from frost. In short-term storage, maximum 3 pallets should be placed on top of each other and shipment should 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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