

INNO- SEAL

FOX MULTISEAL® 1K FS365

Cement Based, Polymer Reinforced, One Component Waterproofing Material

Description

FOX MULTISEAL® 1K FS365 is cement based, polymer reinforced, one component, waterproofing material designed to be applied to all kinds of reinforced concrete surfaces and cement based plaster floors.

Ministry of Public Works and Settlement Item No: 04.477/2

Fields of Application

- Inside - outdoors, vertical and horizontal applications where the water comes from,
- On curtain wall insulations,
- On retaining walls,
- Bathroom, balcony etc. in all wet areas,
- On small terraces,
- In small swimming pool and ornamental pools,
- In the walls and floor coatings of cold storages,
- In flowerpot insulation,
- To protect the concrete from water, carbonation and de-icing salts,
- Used in water and balance reservoirs.

Advantages

- Easy to prepare and apply,
- Can be applied with brush, trowel or spraying machine,
- Working time is long,
- Does not shrink or crack,
- Due to its high adhesion performance, 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,

Technical Data

Structure of the Material	Special cement, mineral fillings, polymer
Density	2,03 kg/lt
Color	Gray
Adhesion Strength	1,0 N/mm ²
Pressure Water Resistance	0,50 bar (Positive)
Duration of the maturation	3-5 minutes
Application Surface Temperature	+5°C / +25°C
Service Temperature	-20°C / +80°C
Fresh Mixing Working Time	2 hours
Opening to Use	Mechanical Strength 2 days
	Waterproofing 7 days
Coating on	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 should be repaired at least 4 cm radius with **FOX MORTAR FC188 T** repair mortars. The surface should be wetted with water before application, but 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. In cases where such air is hot or the materials are in the wind, the water through 10% of **FOX MULTISEAL® 1K FS365** component is added to the mixed material for the first layer.

Mixing

The appropriate amount of water described on the packaging is poured into a clean mixing bowl. While **FOX MULTISEAL® 1K FS365** is added slowly into the water, it is mixed with an electric mixer with 400-600 rpm/ min and suitable mixing tip for about 3-5 minutes until a homogenous mixture is obtained. After the material is rested for about 3-5 minutes, it is mixed again for 1 minute and made ready for application.

Mixing Ratios

4.60 lt of water should be added to the 20 kg bag in order to obtain a brush consistency.
3.80 lt of water should be added to the 20 kg bag to obtain the consistency of the trowel.

Application

The prepared **FOX MULTISEAL® 1K FS365** mixture is applied in two or three layers 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.

Cleaning of the Tools

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

Coverage

1st coat; 1,50 kg/m²
2nd coat; 1,30 kg/m²
3rd coat; 1,20 kg/m²

Watch Points

- In the application of **FOX MULTISEAL® 1K FS365**, 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® 1K FS365** 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 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 2 mm in one layer. The places to be walked on should be covered with **FOX BINDER FM125** additive screed. **FOX MULTISEAL® FS478** should be used for pools, vibrating floors and surfaces expected to deflect.
- If it will be covered with ceramic and marble products, it is recommended to use INNO-FIX series ceramic adhesives.

Package

20 kg Polyethylene reinforced Kraft bag

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. Opened packages should be consumed within 1 week by closing their mouths.



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

The data contained in this technical document is based on our scientific and practical knowledge. SARTECH Yapı Malzemeleri San. ve Tic. Ltd Şti. is only responsible for the quality of the product. From the results that may occur due to misuse and other than written suggestions about where and how to use the product, SARTECH Yapı Malzemeleri San. ve Tic. Ltd Şti. cannot be held responsible. The responsibility of the correct application of our product belongs to the user. Our company is only responsible for the quality of the product. This technical form is valid only till a new version is implemented and nullifies the old ones. Our company has the right to make changes in all kinds of information and content details in this catalog. It is imperative to check that the information in the catalog is current and valid. All rights reserved.

