

INNO- SEAL

FOX MULTISEAL® -UV FS475

Cement and Acrylic Based, UV Resistant, Flexible Waterproofing Material

Description

FOX MULTISEAL®-UV FS475, is a cement and acrylic based, two-component, UV resistant, flexible waterproofing material that forms an effective barrier against salts carried by water and gases in the atmosphere.

It meets the requirements of EN 1504-2:2004/Principle 2.2 and 8.2.

Fields of Application

- Indoors and outdoors, vertically and horizontally in positive directions,
- Prefabricated concrete stream and gutter insulation,
- On terraces, it can be left open under light load,
- Positive in basic isolations,
- Retaining walls,
- In wet areas such as bathrooms, kitchens and balconies,
- Swimming pools,
- Drinking and potable water tanks,
- In the seawater canals,
- Where waterproofing and protection against salt water is required,
- It is used to protect concrete surfaces against carbonation and chlorine attacks.

Advantages

- Resistant to UV rays,
- It has excellent adhesion properties,
- Easy to prepare and easy to apply,
- Can be applied with brush and spray machine,
- The uptime is long,
- Resistant to light pedestrian traffic on terraces,
- Resistant to freeze-thaw cycles,
- It is resistant to carbon dioxide and chlorine in atmospheric conditions.

Technical Properties

Material Structure	A Component	Mineral fillers, special cement, polymer
	B Component	Copolymer acrylic dispersion
Density		1.80±0.05 kg/lt
Color		White
Adhesion Strength	EN 1542	≥0,8 N/mm ²
Capillary Water Absorption	EN 1062-3	W<0,1 kg/(m ² *h ^{0,5})
Water Vapor Permeability	EN ISO 7783	S _p > 50m
Reaction to Fire	EN 13501-1	E
Application Floor Temperature		+5°C/+30°C
Service Temperature		-20°C/+80°C
Fresh Mix Use Time		2 Hours
Opening for Use	Mechanical Strength	3 Days
	Water Proofing	7 Days
Coating	Plaster or Ceramic	3 Days
Drying Time		24 hour

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

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 fixed with **FOX MORTAR FC188 T** repair mortar. The surface should be moisturized before application. If the coating material loses its water immediately during application and takes on a matt appearance, it is understood that the surface is not sufficiently moistened or dries quickly. In such cases where the weather is hot or the materials are in the wind, water up to **FOX MULTISEAL®-UV FS475** B component can be added into the mixed material for the first layer only.



www.foxbau.com

FOX BAU YAPI KİMYASALLARI ANONİM ŞİRKETİ

Merkez : Organize Sanayi Bölgesi 1. Kısım 7. Cadde No:6 Döşemealtı-ANTALYA/TÜRKİYE
Telefon : 0(242) 221 42 50 Fax : 0(242) 221 42 55
Şube 1 : Kargalı Hanbabaosb Mah. Organize San. 10. Sk. No:6 Hendek-Sakarya/TÜRKİYE
Şube 2 : Oyalı OSB Mahallesi 3. Cadde No:21 Eğil-Diyarbakır/TÜRKİYE
Web : www.foxbau.com E-mail : info@foxbau.com

Mixing

Add 1/2 of the **FOX MULTISEAL®-UV FS475 B** component into a clean mixing bowl. While **FOX MULTISEAL®-UV FS475 A** component is added slowly, it is mixed for about 3-5 minutes with an electric mixer at 400-600 rpm and a suitable mixing tip. The paste-like mixture is rested for 2 minutes, the remaining B component is added and mixed for 1-2 minutes and made ready for application

Mixing Ratios

25 kg of **FOX MULTISEAL®-UV FS475 A** component is mixed with 8 kg of **FOX MULTISEAL®-UV FS475 B** component.

Application

The prepared **FOX MULTISEAL®-UV FS475** mixture is applied in minimum two coats with the help of an insulation brush or spray machine. The brush application direction in each layer should be perpendicular to each other. Waiting time between coats varies according to ambient conditions. Reinforced concrete surfaces must be moistened before application.

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

- When applying **FOX MULTISEAL®-UV FS475** if the ambient and surface temperature is below +5°C or above +30°C, suitable temperatures should be awaited. Application should not be made in extremely hot, rainy or windy weather. **FOX MULTISEAL®-UV FS475**, 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 ceramic adhesives for covering ceramic, marble etc. products.

Package

33 kg Set

A Component; 25 kg polyethylene reinforced kraft bag

B Component; 8 kg tin

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 production. **FOX MULTISEAL®-UV FS475 B** component freezes at temperatures below 0°C. Opened packages should be tightly closed and stored under suitable storage conditions.

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 system. For long term storage, pallets should not be stacked on top of each other.

Safety Precautions

It is dangerous to approach storage and application areas with fire. Storage and application areas must be ventilated. During the application, work clothes, protective gloves, goggles and mask should be worn in accordance with occupational health and safety rules. It should not come into contact with the skin and eyes during storage and application, in case of contact, it should be washed immediately 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, Material Safety Data Sheet should be consulted.



www.foxbau.com

FOX BAU YAPI KİMYASALLARI ANONİM ŞİRKETİ

Merkez : Organize Sanayi Bölgesi 1. Kısım 7. Cadde No:6 Döşemealtı-ANTALYA/TÜRKİYE
Telefon : 0(242) 221 42 50 Fax: 0(242) 221 42 55
Şube 1 : Kargalı Hanbabaosb Mah. Organize San. 10. Sk. No:6 Hendek-Sakarya/TÜRKİYE
Şube 2 : Oyali OSB Mahallesi 3. Cadde No:21 Eğil-Diyarbakır/TÜRKİYE
Web : www.foxbau.com E-mail : info@foxbau.com

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 whereand how the product will be used. For detailed information, the safety data sheet and technical data sheet should beconsulted or our company officials should be contacted.



www.foxbau.com

FOX BAU YAPI KİMYASALLARI ANONİM ŞİRKETİ

Merkez : Organize Sanayi Bölgesi 1. Kısım 7. Cadde No:6 Döşemealtı-ANTALYA/TÜRKİYE
Telefon : 0(242) 221 42 50 Fax : 0(242) 221 42 55
Şube 1 : Kargalı Hanbabaosb Mah. Organize San. 10. Sk. No:6 Hendek-Sakarya/TÜRKİYE
Şube 2 : Oyali OSB Mahallesi 3. Cadde No:21 Eğil-Diyarbakır/TÜRKİYE
Web : www.foxbau.com E-mail : info@foxbau.com