

INNO- SEAL

FOX ULTRASEAL® RAPID

Cement and Polymer Dispersion Based, Two Component, Fast Curing, Fully Elastic Waterproofing Material

Description

FOX ULTRASEAL® RAPID is cement and polymer dispersion based, fast curing, two component, fully elastic waterproofing material designed to be applied to all kinds of reinforced concrete surfaces and cement based plaster surfaces.

Fields of Application

- Inside - outdoors, on the positive side where the water comes vertically and horizontally,
- In water and balance tanks,
- Olympic swimming pools and thermal pools,
- In cold weather storages walls and upholstery,
- Bathroom, balcony, kitchen etc. in all wet volumes,
- In terraces on foundation, curtain and retaining walls,
- In flowerpot insulation,
- Used in drinking water tanks

Advantages

- It cures independently from the weather conditions,
- The second layer can be applied after approximately 90 minutes, it is opened to pedestrian traffic after 4 hours and provides the possibility of new coating on it.
- Fully elastic and water impermeable,
- Easy to prepare and apply,
- Can be applied with brush or spraying machine,
- Excellent adhesion and crack bridging,
- Form 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,
- High durability,
- Can be used in motion and vibrating areas,
- Resistant to freeze-thaw effect

Technical Data

Structure of Material	Component A	Special cement, mineral fillings, polymer
	Component B	Liquid polymer dispersion
Density		1,20 kg/lit
Color		Light Brown
Adhesion Strength		1,0 N/mm ²
Pressurized Water Strength		4,2 bar (Positive)
Application Surface Temperature		+5°C / +25°C
Service Temperature		-20°C / +80°C
Mixture Working Time		40 minutes
Pedestrian traffic		4 hours
Waterproofing		3 days
Coated on it	Plaster or Ceramic	4 hours



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



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. 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, 10% of the **FOX ULTRASEAL® RAPID** B component can be added to the mixed material for the first layer.

Mixing

FOX ULTRASEAL® RAPID B component is poured into a clean mixing bowl. While slowly adding **FOX ULTRASEAL® RAPID** 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 is mixed for about 3-5 minutes until fully homogeneous and rested for 2 minutes. Then it is mixed again for 1 minute and made ready for application.

Mixing Ratios

10 kg **FOX ULTRASEAL® RAPID** A component is mixed with 10 kg **FOX ULTRASEAL® RAPID** B component.

Application

The prepared **FOX ULTRASEAL® RAPID** 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. Should wait at least 90 minutes between coats. This waiting period may vary depending on the ambient conditions.

Cleaning of the Tools

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

Coverage

Primer; 1,00 kg/m²
1st Coat; 1,50 kg/m²
2nd Coat; 1,50 kg/m²

Watch Points

- It takes its curing independent of weather conditions,
- In the application of **FOX ULTRASEAL® RAPID**, 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 ULTRASEAL® RAPID** applied at +23°C can be opened to pedestrian traffic or covered over it after 4 hours and becomes waterproof after 3 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

20 kg Set
Component A; 10 kg Polyethylene reinforced Craft bag
Component B; 10 kg plastic bucket



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 ULTRASEAL® RAPID** 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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