

INNO-FLOOR FOX PROCRETE® PRIMER

Solvent-Free, Three-Component Primer Resulting from Modification of Polyurethane Based Resins with Special Additives and Chemicals

Description

FOX PROCRETE® PRIMER is a solvent-free, three-component primer set specially designed for industrial floors, obtained by modification of polyurethane-based resins with special additives and chemicals.

Fields of Application

- Used as the primer before the application of high resistance **FOX PROCRETE®** series industrial floor coating systems.

Advantages

- Environmentally friendly.
- Does not contain volatile solvent.
- Safe.
- Flash point is high and not flammable.
- No special measures are required for transportation and storage.
- Easy to apply, it can be easily applied by roller or brush.
- Low viscosity
- High Splice Strength.
- Liquid impermeable

Technical Details

Density	1,20 g/cm ³
Colour	Whitish
Tensile Strength Breaking concrete	>3,60 N/mm ²
Application Surface Temperature	+8°C / +30°C
Working Time	30 minutes
Over coating Time	Min.24 – Max.72 hours
Fully cures	24 hours
Light Traffic	24 hours



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

Application Procedure

Surface Quality

FOX PROCRETE® PRIMER, concrete substrates to be applied must be strong and have sufficient compressive strength (minimum 25 N/mm²), tensile strength must be minimum 1.5 N/mm², and ground temperature must be minimum +8°C. In addition, it should be noted that the dew point of the ground must be above +3°C. The substrate should be clean, dry and free from all kinds of dirt, oil, grease, coating and surface curing materials etc.

Substrate Preparation

Concrete substrates should be prepared to remove an open porous surface by removing cement grout using abrasive equipment (Shot Blasting, milling, diamond polishing, etc.). Weak concrete pieces should be removed from the surface, small gaps, holes should be made completely open. The resulting dust should be cleaned with the help of an industrial vacuum cleaner. The substrate repairs, filling the voids and smoothing the surface should be prepared by mixing the 60-70 AFS (0,1-0,3mm) quartz sand with **FOX PROCRETE® PRIMER**.

Application Conditions

- It can be applied on 7-day concrete or old concrete with high moisture content without using special primers.
- Pay attention to dew and condensation!
- Dew and water vapour condensation on the floor that has not been applied or newly coated will damage the coating. To prevent this, the floor temperature must be above +8°C.

Watch Points in Application

Surface Temperature	; Minimum + 8°C, Maximum +30°C
Ambient Temperature	; Minimum +10°C, Maximum +30°C
Material Temperature	; Minimum +15°C, Maximum +25°C



Mixing

Before starting the mixture, pay attention that the product temperatures are between +15°C and +25°C. Since **FOX PROCRETE® PRIMER** has three components, it is important to obtain a homogeneous mixture. For this reason, it is highly recommended to mix with COLLOMIX CX 22 etc. a mixer. A component is put into the polyethylene mixing bucket. Add the B component product to the A component product and mix for 1 minute until a homogenous mixture is obtained. After adding the C component product onto the A + B component mixture, mix for 3 minutes until you get a homogeneous mixture. Avoid over mixing to minimize air entrainment.

Application

Apply **FOX PROCRETE® PRIMER** with a roller, trowel or a notched trowel. Make sure that the application is made on the whole surface without any gaps.

Cleaning of the Tools

After the application, the tools and equipment used should be cleaned with solvent. It may be recommended to use xylene for cleaning.

Coverage

150-200 gr/m² **FOX PROCRETE® PRIMER** mixture should be used.

Watch Points

- In application of **FOX PROCRETE® PRIMER**, if the ambient and surface temperature is below +8°C or above +30°C, suitable temperatures should be expected. Application should not be made in extremely hot, rainy or windy weather. Materials to be used in the application area should be brought and stored 1-2 days in advance and adapted to the ambient conditions. In applications to be carried out in extreme cold weather, the ambient and ground temperature should be increased with heaters, and the materials to be used should be conditioned at +20°C and +25°C and made ready for application.
- Working and reaction times of polyurethane based systems are affected by ambient and ground temperature and relative humidity in the air. At low temperatures, the reaction slows down, which increases pan (pot) life and working time. High temperatures accelerate the reaction and the times mentioned above are shortened accordingly. For the material to complete its curing, the ambient and ground temperature should not fall below the minimum allowed value. After mixing, the material should be rested and then mixed again.
- After applying **FOX PROCRETE® PRIMER**, a minimum of 24 hours and a maximum of 72 hours should be waited to make another coating on it. In cases exceeding 72 hours, priming must be done again.

Package

10 kg set

A Component; 3,12 kg plastic bin

B Component; 5,64 kg plastic bin

C Component; 1,24 kg plastic bin

Shelf Life

When stored properly at room temperature, away from direct sunlight, between +5°C and +30°C, its shelf life is 6 months from the date of manufacture. Opened packages should be consumed within 1 week by closing their mouths.

Storage

It should be stored in its original unopened package, in a cool and dry environment between +5°C and +30°C, 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.

FOX PROCRETE® PRIMER A Component freezes below 0°C. Therefore, special attention should be paid to storage conditions.

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, it should not be contacted with the skin and eyes, should be washed immediately with plenty of water and soap, and if swallowed, seek medical attention immediately. Food and drink materials should not be introduced into the application areas. It should be stored out of the reach of children.

For detailed information, please refer to the Material Safety Data Sheet.



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