

INNO-FLOOR FOX PURATHANE® SF ADHESIVE

Polyurethane Based, Two Component, Solvent Free, Adhesive

Description

FOX PURATHANE® SF ADHESIVE is polyurethane based, two components, specially designed for sports flooring, solvent free rubber adhesive.

Fields of Application

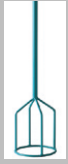
- Interiors and exteriors,
- For bonding of SBR rubber, EPDM rubber sheet, artificial grass carpet and artificial granite sheets,
- Adhering latex, polyurethane and rubber based carpets,
- Adhering rubber floor coverings to concrete, metal and asphalt,
- For bonding prefabricated lightweight walls made using polyurethane, wooden boards, cork and metallic foils,
- It is used for bonding panels made of cork or SBR, which provides tile and sound insulation in floors such as bathrooms, kitchens.

Advantages

- Can be used in interiors and exteriors.
- Solvent free.
- Provides flexible adhesion.
- It can be easily applied with a notched trowel.
- It hardens fast, surfaces become suitable for pedestrian traffic in a short time.
- Impact resistant.

Technical Features

Colour		Light Brown
Density		1,40 kg/lt
Splice Strength	Concrete	>1,7 N/mm ²
Woking Time		40 minutes
Working Temperature		+10°C / +30°C
Fully Cures		7 days



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

Surface Quality

Concrete substrates to be applied must have a strong and sufficient compressive strength (at least 25 N/mm²), tensile strength at least 1.5 N/mm², humidity should be maximum 4%, ground temperature minimum +8°C. In addition, it should be noted that the dew point of the ground is above +3°C. The substrate should be clean, dry and free from all kinds of dirt, oil, grease, coating and surface curing materials etc.

Application Procedure

Substrate Preparation

Concrete substrates to be applied should be prepared in such a way as to obtain an open porous surface by removing cement grout by 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. Sub-surface repairs, filling the gaps and levelling the surface should be done with **FOX SSL®** series levelling screed.

Application Conditions

- Substrate moisture content should be below 4%.
- Test method: CM - measurement or drying in the oven.
- There should be no rising humidity according to ASTM. (Polyethylene cover test).
- Relative air humidity should be 80% maximum.
- Pat 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 should be above +3°C.



Watch Points in Application

Surface Temperature ; Minimum +10°C - Maximum +30°C
Ambient Temperature ; Minimum +10°C - Maximum +30°C
Material Temperature ; Minimum +10°C - Maximum +30°C

Mixing

Before starting the mixture, make sure that the product temperatures are between +10°C and +30°C. A component **FOX PURATHANE® SF ADHESIVE** contains pigment and filler. Mix the A component product thoroughly with an electric mixer and a suitable mixing tip until you get a homogeneous colour and make sure that there is no product at the bottom and sides of the container. After adding the B component product to the A component product, mix continuously for 3-4 minutes until you get a homogeneous mixture. Avoid over mixing to minimize air entrainment. Mixing Tools: (300 - 400 rpm) electric mixer and epoxy/polyurethane resin mixing tip

Application

FOX PURATHANE® SF ADHESIVE should be spread on the floor with a suitable toothed comb. The coating can be adhered to the floor 15-20 minutes after spreading. Applying a moving or constant pressure on the adhered surfaces is important for the performance of the adhesive. If pressure is applied, all of the surfaces to be adhered will come into contact with the adhesive and transferred homogeneously to the surfaces.

Cleaning of the Tools

After the application, the tools and equipment used should be cleaned with solvent or polyurethane thinner. **FOX PURATHANE® SF ADHESIVE** can only be removed from the surface by mechanical methods after hardening.

Watch Points

- Concrete surfaces to be coated with epoxy / polyurethane must be at least 3 weeks old before application, forming a vapour barrier layer on the floors that sit on the ground, and the roof, walls, doors and windows of the building have been made, the ambient and surface temperature must be at least +10°C and +30°C.
- The materials to be used must be brought to the application site 1-2 days prior and must adapt to the ambient conditions.
- In applications to be carried out in cold weather, the ambient and ground temperature should be increased, and the packaging should be prepared at +20°C - 25°C and ready for use in order to increase the processability of the products.
- Rain, dust, wind, animals and pests should be prevented from entering the building while the coating is fresh.
- In resin-based systems, pot life and curing times are affected by ambient temperature, ground temperature and humidity in the air. Curing slows at low temperatures, which increases pot life, over coating time and working time. Curing accelerates at high temperatures, which shortens pot life, over coating time and working time. In order for the entire product to complete its curing, the ambient and ground temperatures should not be lowered below the minimum temperature levels given. After the application is completed, the coating should be protected from direct water contact for at least 24 hours. If water contact occurs, there will be softening and blistering on the coating, which will cause the coating to lose its properties. Therefore, the coating should be completely removed and rebuilt.
- Consumptions are given for ideal conditions where ambient and surface temperatures are considered as 20°C. Actual consumption may vary depending on the surface structure and ambient temperature. It should be remembered that consumption will increase in bad surfaces and cold weather conditions.
- Mixing must be done with an electric mixer of 300-400 rpm and the specified epoxy / polyurethane resin mixing tip. In case of not mixing with the specified mixing tip, air will be dragged into the product, which will cause air bubbles to form on the coating after application.

Coverage

750-850 gr/m²

Package

10 kg set

A component; 9,0 kg plastic bucket

B component; 1,0 kg plastic bottle

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.



Storage

It should be stored in its original package, in a cool and dry place protected from frost. For short term storage, maximum 2 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, 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 brought to 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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