

SUF-FIX P10 EPOXY PRIMER FOR POLYUREA

1 PRODUCT DESCRIPTION

SUF-FIX P10; is solvent-free, epoxy-based, transparent, impregnated coating for general use. It is used for the preparation and coating of the surfaces to be covered by epoxy, polyurethane and polyurea-based material. It is easy to use. It provides excellent penetration to surfaces, fills the holes and pores. It is odour-free as it is solvent-free and so it is suitable for both indoor and outdoor applications. It has excellent wearing and breaking resistance when cured, as well as being water resistant.

2 ADVANTAGES

- It has low viscosity.
- Excellent penetration.
- High adhesion resistance.
- Solvent-free.
- It is easy to use.
- It is a multi-purpose coating.

3 FIELDS OF APPLICATIONS

- It is used for surface coating before application of floor coating systems.
- As a coating under epoxy, polyurea and polyurethane surface coatings,
- As an under-coating dust-free material for storehouses and factories,
- As a coating for cement-based surfaces (ramps, storehouses)
- As an epoxy mortar with silica sand to be used to correct elevation differences, broken pieces and surface defects before the application.

4 APPLICATION INFORMATION

Surface Preparation:

Concrete application surfaces have to be dry, clean and dust-free, the damaged and loose concrete pieces have to be removed. Surfaces should minimally have 25 N/mm² compressive strength and 1,5 N/mm² pull-off test result.

New concrete has to be at least 28 days old in accordance with the season, while concrete surfaces should have at most 4-8% humidity. All loose, mobile pieces should be cleared of oil or paint wastes, cement slurry. Broad fractures and defects should be repaired before the application.

Cement cover and shiny cement finish found on concrete surface should be cleaned with equipment such as sandblasting, chipping machine, diamond drum grinding machine, powered honing machine and the surface should be roughened then wiped. Surface should be completely dedusted by the help of industrial type vacuum cleaner.

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Concrete application surfaces which are in touch with ground should be previously processed with water and vapor barrier insulation. The product is applicable on newly poured concrete (green concrete), but it should be taken into account that the curing process takes longer.

-Relative humidity of the air should be maximum 90% and the application temperature (environment and surface) should be between +5°C and +35°C.

-There should be no rain 24 hours before and after the application as well as during the application.

-Floor temperature should be 3°C higher than the present dewing temperature.

Mixture Preparation:

The product should be prepared in the predetermined mixture rate to be consumed by considering the expiry date of mixture as it is a double component product. Please ensure that the product temperature is above 15°C to obtain a homogeneous mixture. Component A has to be stirred with a mechanical mixer in itself immediately and then the hardener (component B) has to be added by considering the mixture rate. Component A and B have to be stirred with a mechanical mixer for minimum 3 min. until the mixture becomes homogeneous.

Application:

Ready-to-apply mixture is applied by saturating the surface and filling the pores by the help of roller or airless spray. Re-coating period is between 4 (23°C) and 24 hours. Coating surface must be ground before re-coating applications exceeding 24 hours. It is very important to apply the second coat within the re-coating period stated above. Total consumption is 350-400 gr/m². The mixture reaches a full mechanical and chemical resistance in almost 7 days.

Cleaning After Application:

Equipment used during the application should be cleaned with a proper solvent following the application.

5 STORAGE AND SHELF LIFE

It should be stored in its unpacked original package in a cool and dry environment as protected against frosting. Suitable storage temperature is in between +5 and +25 °C. The product's shelf life is 12 months from the date of production in proper storage conditions.

6 PACKAGE

18 kg set **SUF-FIX P10** ;
Component A; 12 kg can bucket
Component B: 6 kg can bucket

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07 TECHNICAL SPECIFICATIONS

Specifications (23 °C, 50 % RH)	METHOD	DEFINITION
Appearance Component A: Epoxy Resin Component B: Epoxy Hardener		Transparent, Liquid Brown, Liquid
Viscosity (Brookfield, mPas) Component A: Epoxy Resin Component B: Epoxy Hardener	ASTM D2196-86	600 ± 50 300 ± 50
Density (g/cm³) Component A: Epoxy Resin Component B: Epoxy Hardener		1,10±0,05 1,03±0,05
Solid Substance (wt %) Component A: Epoxy Resin Component B: Epoxy Hardener		100 100
Viscosity of Mixture (Brookfield, mPas)	ASTM D2196-86	700 ± 50
Density of Mixture (g/cm³)	ASTM D1475 / DIN 53217 / ISO 2811	1,06
Pot Life (minute)	100 g. (A+B)	30
Touch Drying(hour)		4-6
Waiting Period between Coats (hour)		4-8
Full Curing (Day)		7
Compressive Strenght (N/mm2)	7 days	70
Adhesion Strength (N/mm2)	7 days	≥2

8 SAFETY MEASURES

Proper work clothes, protective gloves, goggles and mask pursuant to the occupational health rules should be used during the application process. Components should not contact the skin and eyes due to the irritating effects of the non-cured product. Wash with plenty of water and soap in case of contact. Immediately consult a doctor in case of swallowing. For detailed information, please see the Safety Information Form (MSDS) or get in contact with our technical departments. Keep out of reach of children.