

SUFFIX PRIMER WB EP

Water-Based Transparent Epoxy Impregnation Undercoating

Product Definition:

SUFFIX PRIMER WB EP is an epoxy resin-based, two-component, diluted-in-water, highly wearing resistant and mechanically resistant undercoating material applicable for asphalt and humid concrete.

Areas of Application:

Used as impregnation undercoating for floor exposed to moderate and heavy load on asphalt, concrete, cement or epoxy mortar before the application of epoxy, polyurethane or polyurea top coating,

As transparent epoxy protective coating on epoxy or polyurethane resin-based mortar and self-spreading trowel coating,

As transition coating to provide adhesion between the new and old floor coating of which re-coating period is over.

As prime coat before the application of floor coating on asphalt surface.

Advantages:

Excellent penetration to concrete,
Dries quickly and provides quick re-coating,
Applicable on humid concrete,
Odor-free as it is water-based,
Excellent adhesion on all mineral coatings and old epoxy floor coatings,
Applicable at low temperature and in very humid environments.

Technical Specifications:

QUALITY (23 °C, 55% R.H.)	METHOD	DEFINITION
Appearance Component A: Epoxy Resin Component B: Epoxy Hardener		Component A: milk white Component B: transparent
Viscosity (Brookfield, mPas) Component A: Epoxy Resin Component B: Epoxy Hardener	ASTM D2196-86	250 ± 50 450 ± 50
Color		Colorless
Density (g/cm3) Component A: Epoxy Resin Component B: Epoxy Hardener	(DIN EN ISO 2811-1)	1.00 ± 0.02 1.03 ± 0.02
Mixture Rate	(A:B - by weight)	10:3
Solid Content by Volume	(A+B)	61%
Expiry Date of Mixture (+23°C)	Measured by using 100 g (A+B)	60 min
Waiting Period between Coats (minimum)		4 hours
(maximum)		1 month
Opening to Light Traffic	20°C	6 hours
Full Curing		7 days
Dilution		In 25-35% water

*Fading and changes may arise under direct sunlight; this does not have any impact on the function and performance of the coating.

Application Information:**Surface Preparation:**

The materials such as oil, wax, grease, water repellents reducing the adhesive strength, and dust should be removed by cleaning with a floor milling machine.

The new concrete should be poured at least 28 days ago.

The surface should be undercoated before application.

The concrete application surfaces should meet these standards below at least:

- Hardness: R28 = 15 Mpa
- Temperature: 10/-30 °C
- Surface moisture: < 4 %

Environmental Conditions:

-The relative humidity of the air should be maximum 80%, and the application temperature (environment and surface) should be between +5°C and +35°C.

-There should be no rain 48 hours before the application, during the application and 48 hours after the application.

-The floor temperature should be 3°C higher than the present dewing temperature. (Please ask for Ambient temperature-Ambient humidity-Dewing temperature table)

Mixture Preparation:

It is a two-component product, and should be prepared depending on the mixture rate designated according to the consumption amount by considering the expiry date of mixture. Ensure that the product temperature is above 15°C to obtain a homogeneous mixture. The component A should be stirred by using a mechanical mixer in itself immediately, and then the hardener (component B) should be added according to the mixture rate. The component A and B should be stirred by using a mechanical mixer for at least 3 minutes until it becomes homogeneous.

After the component A and B are stirred by using a mechanical mixer for at 1-2 minutes, ensure that you add 25-30% water to the mixture and keep stirring until it becomes homogeneous. Ensure that you leave the mixture to rest for 3-5 minutes when the mixture is ready and use it in maximum 1 hour.

Application:

The prepared mixture is applied by saturating the surface and filling the pores by using a roller or airless spray.

The re-coating period lasts for minimum 4 hours (20°C), maximum 1 hour.

It is very important to apply the second coat within the re-coating period stated above. It reaches its full mechanical and chemical resistance in almost 7 days.

Material Consumption:

As impregnation and transition undercoating:..... 100- 150 gr/m2

Cleaning After Application:

By using water or cellulosic thinner.

Package: 13 kg set SUFFIX PRIMER WB EP;

Component A: 10 KG

Component B: 3 KG

Storage and Shelf Life:

It can be stored for 12 months if it is properly stored in its original, unpacked and undamaged package in a dry place between +5°C and +30°C.

Safety Measures:

The proper work clothes, protective gloves, goggles and mask should be used during the application process pursuant to the occupational health rules.

The components should not come into contact with skin and eyes due to the irritating effects of the non-cured product. Wash with plenty of water and soap in case of contacting.

Immediately consult a doctor in case of swallowing.

For detailed information, please request Safety Information Form (MSDS) from your dealer.

Keep out of reach of children.

None of the instructions and technical specifications given is binding SPECIFICALLY pursuant to the protective rights of general and third persons, and it does not make you exempt from the obligation to analyze the compatibility of our products. Our company is not responsible for any loss incurred due to natural hazards or usage and/or product compatibility or information and instructions for any reason or in any scope.

