

SUFFIX PRIMER EP BARRIER

Epoxy Based, Two Component, Moisture Barrier Primer

PRIMERS

Description of Product

SUFFIX PRIMER EP BARRIER is an epoxy-based, two-component primer material used as a moisture barrier. It is easy to apply and penetrates the surfaces, and can be used easily indoors and outdoors. After blanking, it forms a waterproof, abrasion and break-resistant film.

Areas of Use

It is used as a moisture barrier and primer layer in epoxy floor covering applications, as an adherence enhancing primer in epoxy applications, as a moisture barrier and primer layer before the application of polyurethane and polyurea insulation materials, as a concrete strengthener on loose soils, and as a water and moisture barrier on concrete surfaces.

Advantages

It has high adhesion strength. It is easy to apply. It is a multi-purpose primer. Can be used indoors and outdoors.

Physical Properties

Quality (23°C, 50% RH)	Value	Standard & Method
Appearance	Component A: Transparent, Liquid Component B: Brown, Liquid	-
Density (gr/cm ³)	A + B Mixture: 1,08 ± 0,05	EN ISO 2811 - 1
Solid Material (%)	100	EN ISO 3251

Mechanical Properties

Quality (23°C, 50% RH, 7 Days)	Value	Standard & Method
Compressive Strength (N/mm ²)	> 70	EN 196
Adhesion Strength (N/mm ²)	> 3,5	EN 1542 ASTM D 4541
Flexural Strength (N/mm ²)	30	EN 196
Surface Hardness (Shore A)	> 70	EN ISO 868 ASTM D 2240

Application Information

Quality (23°C, 50% RH)	Value	Standard & Method
Mixing Ratio	100:40	-
Pot Life (minutes)	30	100 g (A+B)
Touch Dry (hours)	4 - 6	-50% RH at 23°C
Waiting Time Between Layers (hours)	6 - 12	
Full Curing (days)	7	

Times are approximate and will be affected by changing environmental conditions, especially temperature and relative humidity.

Application Information - Surface Preparation

Concrete surfaces on which application will be made must be dry, clean and dust-free, and damaged and loose concrete parts must be removed from the surface. The surface must have a compressive strength of at least 25 N/mm² and a pull-off test result of at least 1.5 N/mm². The age of new concrete should be at least 28 days depending on the season, and concrete surfaces should have a moisture content of no more than 8%. All loose, friable particles, oil and paint residues, and cement slurry must be cleared. Large breaks and faults should be repaired in advance.

The cement crust and bright screed on the concrete surface should be cleaned with tools such as sandblasting, notching machine, diamond drum wiping machine, driven grinder, roughened and wiped. The entire surface should be cleaned of dust with an industrial vacuum cleaner.

The surface should be cleaned using high pressure water if possible; Oil, grease, fuel and paraffin waste must be removed, and it must also be completely free of mold release agents, cement plus clay, chips, loose particles and clogged coatings. The surfaces to be applied must be dry and clean. If necessary, milling and shaving operations (sand blasting, ball blasting, milling, rubbing) should be performed on the ground. The product should not be used on unstable layers or on floors without surface preparation as described above.

Concrete surfaces in contact with the soil to be coated must be insulated against water and water vapor in advance.

- The relative humidity of the air should be maximum 80% and the application temperature (environment and surface) should be between +10°C and +35°C.

- It should not be rainy in open areas 48 hours before, during and 48 hours after application.

Preparation of the Mixture

It is a two-component product and should be prepared in the specified mixing ratio for the amount to be consumed, taking into account the pot life. In order to obtain a homogeneous mixture, care must be taken that the product temperature is not less than 15°C. Hardener (component B) should be added by paying attention to the mixing ratio. Components A and B should be mixed with a mechanical mixer for at least 3 minutes until they become homogeneous.

Application

The mixture, which is ready for application, is applied with a roller to saturate the surface and close the pores. The application time for new coat on top is at least 4 hours (23°C) and at most 24 hours. The primer surface must be sanded before applying new coats for more than 24 hours. It is very important to apply the second coat within the new coat application period specified above. It reaches full mechanical strength in approximately 7 days.

Cleaning After Application

The equipment used during application should be cleaned with a suitable solvent immediately after application.

Storing and Shelf Life

It should be stored in its unopened original packaging, in a cool and dry environment, protected from frost. Suitable storage temperature should be between +15°C and +25°C. Shelf life is 12 months from the production date under appropriate storage conditions.

Packing

A set of 15 kg SUFFIX PRIMER EPBARRIER;
Component A: 12.5 kg metal bucket packaging
Component B: 5 kg metal bucket packaging

Consumption

Primer usage and consumption may vary depending on 0.45-0.70 kg/m² system solutions.

Safety Precautions

During application, work clothes, protective gloves, glasses and masks that comply with occupational and worker health rules should be used. Due to the irritating effects of the uncured product, the components should not be contacted with the skin or eyes. In case of contact, it should be washed with plenty of water and soap. If swallowed, consult a doctor immediately. For detailed information, please refer to the Safety Data Sheet (MSDS) or contact our technical units. Keep out of reach of children.

None of our instructions and technical specifications written herein are binding in general and EXCLUSIVELY in accordance with the protective rights of third parties and do not exempt you from the obligation to carry out the necessary examination to determine the suitability of our products. Our company is not responsible for any damages that may occur as a result of natural damage or due to use and/or product reliability or information and instructions, for whatever reason and to whatever extent.

