

SUFFIX FLOOR EP SF

Solvent-Free, Epoxy Based, Two Component Coating Material

FLOORING GROUP

Description of Product

SUFFIX FLOOR EP SF is an epoxy-based, solvent-free, two-component, developed coating material used especially on concrete surfaces.

Areas of Use

indoor and outdoor, in vertical and horizontal applications, in metal or concrete tanks, as a chemical-resistant gas and vapor barrier coating on walls, in oil and fuel tanks, energy stations, factory floors, hangars and liquid storage areas, drinking water tanks, oil refineries and paper. It is used in factories, food, pharmaceutical, paint, paper, battery and fertilizer industries, printing houses, hotel kitchens and laundries, hospital laboratories, cafeterias, wet areas and hygienic environments.

Advantages

It has a shiny surface. It has antibacterial properties. It creates a surface structure that does not allow microbe formation. It provides a hygienic environment as it is easy to clean. It has high mechanical strength. Their chemical resistance is higher than standard epoxy coatings. Easy to apply by brush, roller or spray method. It is water impermeable. It does not contain solvents. It can be used safely in drinking water tanks.

Physical Properties

Quality (23°C, 50% RH)	Value	Standard & Method
Appearance	A Component: Colored, Liquid B Component: Transparent, Liquid	-
Viscosity	A Component: 2500 ± 300 B Component: 450 ± 100	EN ISO 2555
Density (gr/cm ³)	A Component: 1,7 ± 0,01 B Component: 1,05 ± 0,05	EN ISO 2811 - 1
Solid Matter (% Wt)	A Component: 100 B Component: 100	EN ISO 3251

Mechanical Properties

Quality (23°C, 50% RH, 7 Days)	Value	Standard & Method
Taber Abrasion Resistance (mg) (CS 10/1000/1000)	< 3000	ISO 5470-1
Compressive Strength (N/mm ²)	> 50	EN ISO 196
Flexural Strength (N/mm ²)	> 20	EN ISO 196
Adhesion Strength (N/mm ²)	> 3	EN 1542 ASTM D 4541
Surface Hardness (Shore D)	> 80	EN ISO 868 ASTM D 2240

Technical Properties After Application and Cure

Quality (23°C, 50% RH)	Value	Standard & Method
Mixing Ratio	100:17,5	-
Pot Life (minutes)	25 ± 5	100 gr (A+B)
Touch Dry (hours)	12 - 24	-50% RH at 23°C
Full Curing (days)	7	

Application Information - Surface Preparation

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 residues, chips, loose particles and cured coatings. Damaged, unstable surfaces and cracks and surface irregularities should be filled with an epoxy primer treated with the addition of sand. 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 surfaces without surface preparation as described above. New concrete must be at least 28 days old. The surface should be primed before application. The concrete surfaces to be applied must have at least the following standards.

Preparation of Mixture

Component A and component B come in separate packages with pre-mixed proportions. Component B is completely poured into component A and mixed. Mixing should be done with a mixer at 300 rpm. It is a two-component product and should be prepared in the specified mixing ratio for the amount to be consumed, taking into account its pot life. In order to obtain a homogeneous mixture, care must be taken that the product temperature is not less than 15°C. Component A should be mixed quickly with a mechanical mixer, and the hardener (component B) should be added, 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. Care should be taken to consume the prepared mixture within its pot life.

Application

The mixture is ready for application and is applied in both directions with a short pile roller. While applying;

- The relative humidity of the air should be at most 50% and the application temperature (environment and surface) should be between +10°C and +30°C.
- It should not be rainy in open areas 24 hours before, during and 24 hours after application.

The applied surfaces must be protected for at least 24 hours. The material reaches the mechanical values given in the technical data sheet in approximately 7 days.

Cleaning after Application

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

Packing

A 23.5 kg set of SUFFIX FLOOREPSF;

Component A: 20 kg tin bucket

Component B: 3.5 kg tin bucket

Consumption

Total consumption is 0.40-0.80 kg/m².

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 +10°C and +25°C. Shelf life is 12 months from the date of production under appropriate storage conditions.

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 unpacked 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, ask your dealer for the Safety Data Sheet (MSDS). 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.



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