

SUFFIX FLOOR EP SL

Epoxy Based, Self-leveling Floor Coating

FLOORING GROUP

Description of Product

SUFFIX FLOOR EP SL is an epoxy-based, self-leveling floor system designed for industrial floors, with smooth surface finish, easy to clean.

Areas of Use

It is used as a floor covering material on concrete and cement-based surfaces, in warehouses, production areas, shopping malls, hangars, exhibition and fair areas, and parking lots.

Advantages

It has high mechanical strength. Due to its self-leveling feature, it can be applied to sandy or sand-free surfaces without any problems. It has high abrasion resistance. It can be applied easily. It is easy to clean and maintain. It creates a layer impermeable to liquids.

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 ± 0,05 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)	< 45	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	100:20	-
Application Thickness	1,50 - 3,00	-
Pot Life (minutes)	25	100 gr (A+B)
Touch Dry (hours)	8 - 12	-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 floors 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. In order to obtain a homogeneous mixture, care must be taken that the product temperature is not less than 15°C. Components A and B should be mixed with a mechanical mixer for at least 3 minutes until they become homogeneous. After components A and B are mixed, silica sand is added if necessary and mixed for another 2 minutes. Care should be taken to consume the prepared mixture within its pot life.

Application

The mixture, which is ready for application, is poured onto the surface and spread homogeneously with an adjustable gauge or notched trowel. The air discharge of the material that is completely spread on the surface is accelerated with the hedgehog roller. It is recommended to wear spiked shoes to avoid damaging the application surface during 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.

Packing

A set of 24 kg SUFFIX FLOOR EPSL;

Component A: 20 kg metal bucket packaging

Component B: 4kg metal bucket packaging

Consumption

It is used at a consumption of 1-1.5 kg/m² in single-layer applications and a total consumption of 2-3 kg/m² in two-layer applications.

Storing and Shelf Life

It can be stored for 12 months from the production date if stored correctly in its original, unopened and undamaged packaging, in dry conditions between +15°C and +30°C.

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, 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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