

SUFFIX FLOOR EP GUARD TC

Epoxy Based, Two Component, Protective Coating

FLOORING GROUP

Description of Product

SUFFIX FLOOR EP GUARD TC is an epoxy-based, solvent-free, two-component protective coating material. SUFFIX FLOOR EP GUARD TC is a hard and shiny coating that shows high abrasion resistance and chemical resistance when moldy. It has high abrasion resistance.

Areas of Use

It can be used in low and medium aggressive chemical environments. It can be used on concrete, stone, cement-based mortar, epoxy and steel surfaces. It can be used as a coating in stock tanks and silos, in areas where there is a risk of contact with chemical materials, and in wastewater tanks.

Advantages

It is solvent-free. It has high chemical and mechanical resistance. It can be mixed and applied easily. It has a high degree of solidity. It forms a layer impermeable to liquids.

Physical Properties

Quality (23°C, 50% RH)	Value	Standard & Method
Appearance	A Component: Colored, Liquid B Component: Transparent, Liquid	-
Colour	Ral Colors	
Density (gr/cm ³)	A+B Component: 1,55 ± 0,05	EN ISO 2811 - 1
Solid Matter (% wt)	A+B Component: 100	EN ISO 3251

Mechanical Properties

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

Technical Properties After Application and Cure

Quality (23°C, 50% RH)	Value	Standard & Method
Mixing Ratio	100:25	-
Pot Life (minutes)	20	100 gr (A+B)
Touch Dry (hours)	4 - 6	-50% RH at 23°C
Waiting Between Layers (hours)	6 - 10	
Opening to Light Traffic (days)	2	
Full Curing (days)	7	

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

Application

The mixture, which is ready for application, is applied with a mm adjustable gauge. The application time for new coat on top is at least 6 hours (23°C) and at most 10 hours. The primer surface must be sanded before applying new coats for more than 10 hours.

Although the number of coats to be applied and the amount of consumption in each coat vary depending on the condition of the application surface and the purpose of application, 2 coats of application are recommended, with a consumption of 0.5-0.8 kg/m² in each coat for high chemical and mechanical resistance.

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 4-8%. 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, roughened and wiped with tools such as sandblasting, notching machine, diamond drum wiping machine, driven grinder. The entire surface should be cleaned of dust with an industrial vacuum cleaner.

Concrete surfaces in contact with the soil to be coated must be insulated against water and water vapor in advance. It can be applied on freshly laid concrete (green concrete), but it should be noted that in this case the curing will take longer.

Application Information - Environmental Conditions

- The relative humidity of the air should be at most 80% 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.

Preparation of 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 its pot life. In order to obtain a homogeneous mixture, care should be taken to ensure 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..

Cleaning After Application

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

Packing

In sets of 25 kg;

Component A: 20kg metal bucket packaging

Component B: 5 kg metal bucket packaging

Consumption

The total consumption amount is 1.0-1.6 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 +15 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 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.



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