

Solvent-Free Textured Epoxy Flooring Coating



Product Overview

It is a solvent-free, pigmented two-component, non-slip floor coating that offers high slip resistance along with exceptional chemical and mechanical durability.



Application Domains

- Cuisine, Laboratories,
- Automotive Services
- Parking facilities,
- Chemical and Pharmaceutical Sector
- Animal Farms
- Manufacturing Facilities, Administrative Offices,
- Stores,
- Business Hubs
- Commercial kitchens,



Technical Specifications

Colour	In a Range of RAL Colors
Mixture Density	1,65 kg/lt
Mixture Viscosity	750 ± 150 mPas
Shore D (7 days)	90 ± 5
Adhesive Strength	> 2 N/mm ²
Compressive Strength (R+S)	~80 N/mm ²
Flexural Strength (R+S)	~55 N/mm ²
Abrasion Resistance (R+S)	58 mg

The information presented in this technical data sheet is derived from the results of conducted tests. The user bears full responsibility for the proper application of our original product. Our company assumes sole responsibility for the product's quality. This data sheet replaces the information found in the previous version. Our company retains the right to amend any information within this data sheet.



Advantages

- It inhibits dust formation in reinforced concrete coatings, enhances their durability, and ensures their longevity.
- It is a coating that is resistant to mechanical impacts and the wear and tear that may result from friction or chemical effects.
- It exhibits resistance to alkalis, oil, grease, and waste.
- Its adhesion strength is exceptionally high.
- There is no detriment in utilizing it in areas where hygiene is essential.
- It is a coating that can be applied without the need for grouting, is easy to clean, requires no maintenance, and complies with health standards, offering a diverse array of color options.
- It is simple to apply and can be utilized without the need for grouting.



Surface Preparation

Mechanical surface preparation, including methods such as blastrack and rotatiger, is essential. The resulting dust layer must be removed using industrial vacuum cleaners, ensuring that the application surface is sound, dry, and clean. All dust, oil, paraffin, bitumen, and other contaminants that could hinder adhesion must be eliminated, along with any loose particles such as mortar and plaster. The concrete must meet a minimum quality of C20/25 and be at least 28 days old. The tensile strength of the reinforced concrete surface should be 1.5 N/mm², the moisture content must be 4%, and the surface temperature should be +8 °C. Successful application relies on meticulous surface preparation and the appropriate use of materials. Abrasion and roughening processes are conducted using the method chosen based on the surface condition. The surface is rendered completely dust-free with an industrial vacuum cleaner, preparing it for application. Following surface preparation, all surfaces are primed with EP-8101 Solvent-Free Epoxy Primer.





Mixture

In two-component systems, the optimal mixing ratio is maintained (Component A: resin, Component B: hardener). The ready-to-use material is achieved by thoroughly mechanically combining these two components. All of Component B is added to Component A simultaneously, and mixing is continued with a low-speed mixer (300-400 rpm) and an appropriate attachment until a homogeneous mixture is attained. To guarantee uniform distribution of the hardener, the mixer should be positioned near the edges of the container and along the bottom of the package.



Application Details

EP-8001 is applied to the surface and spread to the desired thickness using a notched trowel or a specialized rubber roller. After the application of EP-8001, a spiked roller is utilized on the coating to prevent bubble formation and facilitate its release.

- The material must be safeguarded against water, rain, external elements, and mechanical stress until it has cured.
- It is important to consider that the waiting time may be reduced in hot weather and extended in cold weather.



Consumption

0,500 – 0,800 kg/m²

1.5 kg/m²/1 mm for medium to heavy loads



PACKAGING

In 20 kg (A: 18 + B: 2) arranged tin buckets



Shelf life

It must be safeguarded against unfavorable weather conditions. It should be kept in a dry, cool, and enclosed environment (between +10 °C and +25 °C). The opened and mixed product should be consumed promptly. It has a shelf life of 12 months when stored in its unopened packaging, in dry locations at a minimum temperature of +5 °C.



Attention

- In applications conducted in enclosed spaces, the environment must be adequately ventilated.
- In cold weather, packages should be stored for a minimum of 24 hours at a temperature no lower than +15°C prior to application.
- Following application, the surface must be safeguarded against water, rain, dew, snow, hail, frost, and similar climatic conditions until it is entirely dry.
- Avoid using open flames and refrain from smoking during application.
- Utilize gloves, goggles, and protective attire.
- In the event of skin contact, cleanse with soap and abundant water.
- Do not ingest, do not utilize empty containers for food storage, and do not dispose of them in fire.
- For professional use only; keep out of reach of children.

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