

### Product Overview

It is a solvent-free, epoxy resin-based, pigmented, low-viscosity flooring coating material.

### Application Domains

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

### Technical Specifications

	10° C	20° C	30° C
Container dwell time	90 minutes	50 minutes	25 minutes
New coat application period	25-35 seconds	12-18 hours	7-11 hours
Initial curing duration	30 seconds	15 seconds	8 seconds
Complete hardening	10 days	7 days	5 days
Walking Duration	Two days later		
Flexural Strength (DIN 1164)	7 days	62 N/mm <sup>2</sup>	+23 °C
Compressive Strength (ASTM D 695)	7 days	98 N/mm <sup>2</sup>	+23 °C
Tensile Strength		4,3±0,3 N/mm <sup>2</sup>	
Shore D Hardness		85 ±3	
Chemical Resistance	Formaldehyde, Potassium Hydroxide, Sodium Hydroxide 30%		Citric Acid 30 Percent

Chemical resistance values may fluctuate based on the color pigment utilized in the product.

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 supersedes the information provided in the prior version. Our company retains the right to amend any information within this data sheet.

### Advantages

- It is a vibrant, easy-to-clean, maintenance-free coating that complies with health standards.
- It is straightforward to apply and can be utilized without the need for jointing.
- It is resistant to alkalis, oils, greases, and waste.
- It inhibits dust formation in reinforced concrete coatings, enhances their durability, and guarantees longevity.
- It is a coating that is resistant to mechanical impacts and the wear and tear that may result from friction or chemical effects.
- There is no detriment in utilizing it in areas where hygiene is essential.
- Its adhesion strength is exceptionally high.

### 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/mm<sup>2</sup>, 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 packages, the mixture is calibrated according to the specified mixing ratio (Component A: resin, Component B: hardener). The ready-to-use material is achieved by thoroughly mechanically blending these two components. All of Component B is added to Component A simultaneously, and the mixture should be combined using a low-speed mixer (300-400 rpm) with the appropriate attachment until a homogeneous consistency is attained. To ensure uniform distribution of the hardener, the mixer should be positioned near the edges of the container and from the bottom to the top. The two components must be thoroughly integrated. It is advisable to transfer the mixture into another clean container and mix again for 3-4 minutes. Aggregate can be incorporated into EP-8002 at the construction site, and this process should be conducted within the prepared homogeneous resin mixture.

### Application Details

EP-8002 is applied to the desired thickness using a notched trowel or a specialized rubber roller. The prepared mixture is uniformly distributed over the previously prepared surface utilizing the selected method. Following the application of EP-8002, a spiked roller is employed on the self-leveling coating to prevent bubble formation and facilitate its release. If a textured surface is required, specially formulated silica sand is sprinkled over the applied material while it remains wet, ensuring complete coverage. Once the material has fully cured, any excess sand is removed with an industrial vacuum cleaner, and the surface should be finished with a solvent-free epoxy paint, specifically EP-8004.

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

### Consumption

For light loads: 1 kg/m<sup>2</sup> (0.7 mm) Medium to heavy loads: 1.5 kg/m<sup>2</sup> (minimum 1 mm)

### PACKAGING

In 20 kg (A: 16 + B: 4) 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 approaching with 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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