



Product Overview

It is a solvent-free, epoxy resin-based, colorless or colored, 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 duration	90 minutes	50 minutes	25 minutes
New coat application timeframe	25-35 seconds	12-18 hours	7-11 hours
Initial erection phase	30 seconds	15 seconds	8 seconds
Complete erection	10 days	7 days	5 days
Walking Duration	Two days later		
Tensile Strength (DIN 1164)	7 days	62 N/mm ²	+23 °C
Compressive Strength (ASTM D 695)	7 days	98 N/mm ²	+23 °C
Tensile Strength		4,3±0,3 N/mm ²	
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 experimental results. The responsibility for the proper application of our original product rests with the user. Our company is solely accountable for the product's quality. This data sheet supersedes the information provided in the previous version. Our company reserves the right to amend any information contained within this data sheet.



Advantages

- It serves as an intermediate layer stripping material in flooring systems.
- It is simple to apply and can be utilized without joints.
- It exhibits resistance to alkalis, oil, grease, and waste.
- It inhibits the accumulation of dust on reinforced concrete coatings, enhances their durability, and guarantees an extended lifespan.
- It is a robust coating that withstands wear and tear from friction, chemical exposure, and mechanical impacts.
- It can be utilized safely in environments where hygiene is essential.
- It possesses exceptionally high adhesive strength.



Surface Preparation

Mechanical surface preparation (such as blast track and rotatiger) is essential. The resulting dust layer must be removed using industrial vacuum cleaners, ensuring that the surface to be treated is sound, dry, and clean. It is imperative that the surface is devoid of dust, oil, paraffin, bitumen, and any particles that could compromise adhesion. Additionally, all loose mortar, plaster, and similar materials must be eliminated from the surface. The concrete quality should meet a minimum standard of C20/25 and be at least 28 days old. The tensile strength of the reinforced concrete surface should be 1.5 N/mm², with a moisture content of 4% and a surface temperature of +8 °C. The success of the application is contingent upon proper surface preparation and the correct utilization of the material. Depending on the surface condition, abrasion and roughening will be conducted using the selected method. The surface must be entirely dust-free, achieved through the use of an industrial vacuum cleaner, and prepared for application. Once surface preparation is finalized, all surfaces are to be primed with CLASS EPX-110 Solvent-Free Epoxy Primer.



Mixture

The three-component packaging is calibrated according to the appropriate mixing ratio (Component A: resin, Component B: hardener, Component C: silica sand). The ready-to-use material is achieved by thoroughly mechanically mixing these three components. All of component B is added to component A simultaneously, and mixing should occur at a low speed (300-400 rpm) using an appropriate attachment until a homogeneous mixture is achieved. To ensure uniform distribution of the hardener, mixing should be conducted near the edges of the container and from the bottom of the packaging. Component C is gradually incorporated into the mixture while mixing continues until a uniform consistency is reached. The three components must be thoroughly combined. It is advisable to transfer the mixture to a clean container and mix again for 3-4 minutes. Aggregates can be added to CLASS EPX-130 on-site, and this should be done within the prepared homogeneous resin mixture.



Application Details

CLASS EPX-230 is applied to the desired thickness using a notched trowel or a specialized rubber roller. The prepared mixture is uniformly distributed over the pre-prepared surface utilizing the selected method. After the application of CLASS EPX-230, a spiked roller is employed on the self-leveling coating to prevent bubble formation and ensure a smooth finish. If a textured surface is preferred, while the material remains wet, specially prepared silica sand is sprinkled to cover the entire area. Once the material has fully cured, excess sand is removed with an industrial vacuum cleaner, and the surface should be finished with either CLASS EPX-220 or CLASS EPX-310 epoxy topcoat paint.

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



Consumption

For light loads: 1.9 kg/m² (1 mm) Medium to heavy loads: 3.8 kg/m² (2 mm)



PACKAGING

30 kg (A: 16 + B: 4 + C: 10) arranged in tin buckets



Shelf life

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



Attention

- In applications conducted in enclosed spaces, the environment must be adequately ventilated.
- In cold weather, packaging should be maintained at a minimum temperature of +15°C for no less than 24 hours before application.
- Following application, the surface must be safeguarded against water, rain, dew, snow, hail, frost, and comparable weather conditions until it is entirely dry.
- Avoid using open flames and refrain from smoking during application.
- Don appropriate gloves, goggles, and protective attire.
- In the event of skin contact, cleanse thoroughly with soap and ample water.
- Do not ingest, do not utilize empty packaging for food storage, and do not dispose of in fire.
- For professional use exclusively. Keep out of children's reach.

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