



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 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 is a colored, easy-to-clean, maintenance-free coating that complies with health standards.
- 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, utilizing methods such as blastrack and rotatiger, is essential. The resultant 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 effectiveness 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. Upon completion of surface preparation, all areas are to be primed with CLASS EPX-110 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 mixing these two components. The entire quantity of component B is added to component A simultaneously, and mixing should be conducted with a low-speed mixer (300-400 rpm) using an appropriate attachment until a homogeneous mixture is attained. To ensure uniform distribution of the hardener, mixing should occur near the edges of the container and from the bottom to the top. The two components must be combined thoroughly. It is advisable to transfer the mixture to a clean container and mix again for 3-4 minutes. Aggregates can be incorporated into CLASS EPX-220 on-site, and this should be performed within the prepared homogeneous resin mixture.



Application Details

CLASS EPX-220 is applied to the desired thickness utilizing a notched trowel or a specialized rubber roller. The prepared mixture is uniformly distributed across the pre-prepared surface using the selected method. Following the application of CLASS EPX-220, a spiked roller is employed on the self-leveling coating to mitigate bubble formation and ensure a smooth finish. If a textured surface is preferred, while the material remains wet, specially prepared silica sand is evenly sprinkled over the entire area. Once the material has fully cured, excess sand is removed with an industrial vacuum cleaner, after which the surface should be coated with CLASS EPX-310 solvent-free 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 kg/m² (0.7 mm) For medium to heavy loads: 1.5 kg/m² (minimum 1 mm)



PACKAGING

20 kg (A: 16 + B: 4) 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.