

### Product Overview

It is a solvent-free, two-component topcoat material featuring a smooth finish and color, offering exceptional chemical and mechanical resistance.

### 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

|                            |                                     |
|----------------------------|-------------------------------------|
| Colour                     | Available in a range of RAL colors. |
| Mixture Density            | 1,65 kg/lit                         |
| Mixture Viscosity          | 750 ± 150 mPas                      |
| Shore D (7 days)           | 90 ± 5                              |
| Adhesive Strength          | > 2 N/mm <sup>2</sup>               |
| Compressive Strength (R+S) | ~80 N/mm <sup>2</sup>               |
| Flexural Strength (R+S)    | ~55 N/mm <sup>2</sup>               |
| Abrasion Resistance (R+S)  | 58 mg                               |

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 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, can be utilized without joints, and is easy to maintain.
- It exhibits resistance to alkalis, oil, grease, and waste.
- It possesses exceptionally high adhesive strength.
- 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 inhibits the accumulation of dust on reinforced concrete coatings, enhances their durability, and guarantees an extended lifespan.

### 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/mm<sup>2</sup>, 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

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 the mixture should be stirred at a low speed (300–400 rpm) using an appropriate attachment until it reaches a homogeneous consistency. To guarantee uniform distribution of the hardener, mixing should occur near the edges of the container and from the bottom of the package throughout.



### Application Details

CLASS EPX-310 is applied to the surface by pouring and utilizing a notched trowel or specialized roller to achieve the desired thickness. After the application of CLASS EPX-310, a spiked roller is employed on the coating to prevent bubble formation and ensure it remains unobstructed.

- 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

0,300 – 0,400 kg/m<sup>2</sup>  
220 – 250 µm film thickness



### 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.