



Product Overview

It is a two-component, epoxy resin-based, moisture-resistant, solvent-free, low-viscosity, transparent, mineral-based primer formulated for concrete surfaces.



Application Domains

- In systems utilizing epoxy and polyurethane floor coatings,
- In insulation systems, including polyurethane and polyurea,
- By incorporating specialized silica sand, it serves the purposes of repairing, filling, and chamfering the substrate.



Technical Specifications

Colour	Clear, uncolored
Intensity	1.05 ± 0.05 gr/cm ³ (A+B / 23 °C)
Solids by Volume (A and B)	%100 (A+B)
Blending Proportion	Weight: 2.5A/1B
Mixture Shelf Life (above 10°C)	80 minutes
Mixture Shelf Life (at +25°C)	30 - 35 minutes
Interfloor Waiting Time	8-12 hours at 20°C
Adhesion to Concrete	2.2 – 2.4 N/mm ²
Opening to Moderate Traffic	12 – 24 hours / at 20°C
Complete Recovery	7 days at 20 degrees Celsius
Complete Recovery	+8°C – +35°C
Surface Temperature	+8°C – +35°C

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 can be effortlessly applied using a roller or brush.
- It possesses a low VOG value.
- It exhibits moisture tolerance.
- It does not generate dust.
- It offers exceptional adhesion to concrete, cement, and mineral-based surfaces.



Surface Preparation

Mechanical surface preparation (such as blasttrack, rotatiger, etc.) is essential. The surface may be damp; however, any excess water must be eliminated. Following surface preparation, the resultant dust layer should be removed using industrial vacuum cleaners. The surface designated for application must be sound, dry, and clean, devoid of all dust, oil, paraffin, bitumen, and any particles that could impair adhesion. Additionally, all loose mortar, plaster, and similar materials must be eliminated from the surface. The concrete quality should be no less than C20/25 and at least 28 days old. The tensile strength of the reinforced concrete surface should be 1.5 N/mm², with a moisture content of 6% and a surface temperature of +8 °C. The success of the application hinges on proper surface preparation and the correct utilization of the material. Depending on the surface condition, abrasion and roughening are conducted using the selected method. The surface is thoroughly dusted with an industrial vacuum cleaner and prepared for application.



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 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 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-130 on-site, and this should be done within the prepared homogeneous resin mixture.



Application Details

It is applied using a roller or notched trowel. The prepared mixture is uniformly distributed onto the pre-prepared surface utilizing the selected method. CLASS EPX-130 is applied in one or two coats until the surface is saturated and a layer is established. If matte spots emerge, an additional coat is required. The subsequent coat should be applied before the previous one begins to dry. The number of coats varies based on the absorbency of the surface. If a textured finish is desired, while the applied material remains wet, specially prepared silica sand is sprinkled to cover the entire area. Once the material has fully dried, any excess sand is removed with an industrial vacuum cleaner.

CLASS EPX-130 can be uniformly applied to the surface using a trowel or a short-haired roller, while managing material consumption.

- 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

Depending on the quality of the concrete utilized, theoretical values of 0.300 kg/m² to 0.500 kg/m² are advised.

The porosity and absorbency of the substrate may lead to increased consumption. It is advisable to perform a test on the substrate to monitor consumption.



PACKAGING

21 kg (A: 15 + B: 6) 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.

LEGAL NOTICE The information provided herein regarding BENZKİM CLASS products, particularly the recommendations for their application and end use, is presented in good faith based on BENZKİM CLASS's current knowledge and experience under normal conditions, contingent upon the proper storage and application of these products in accordance with BENZKİM CLASS's guidelines. The variability of products, application surfaces, and application areas in practice is significant. Therefore, when utilizing BENZKİM CLASS products, it is imperative to ensure the correct product is applied under appropriate conditions and in the designated area, while strictly adhering to the information and instructions provided by BENZKİM CLASS concerning commercial suitability and/or suitability for a specific purpose. Failure to do so may result in BENZKİM CLASS being absolved of any responsibility for potential damages. The product user is obligated to assess the product's suitability for the intended application and purpose. BENZKİM CLASS reserves the right to modify the properties of its products. The rights of third parties must be duly respected. All orders are accepted in accordance with our prevailing terms and conditions related to sales and shipping. Users are encouraged to consult the most recent version of the local Product Information Sheet for the relevant product, which can be obtained by contacting BENZKİM CLASS.