



Product Overview

This is a solvent-free, pigmented, two-component polyurethane floor coating material designed for applications up to 3mm thick on concrete surfaces.



Application Domains

- In interior environments, within decorative flooring systems,
- In interior environments, industrial flooring systems,
- Healthcare institutions, pharmaceutical sector,
- Sales terminals,
- Owing to its insulating properties, it is employed as a protective coating in electrical panels.
- It is utilized in flooring systems for offices, business centers, conference halls, and similar environments.



Technical Specifications

Colour	Available in a range of RAL colors.
Mixture Density	1,70 ± 0,10 kg/lt
Mixture Viscosity	1400 - 2400 mPas
Mixture of Life	50 - 80 minutes
Touch Duration	8 - 10 Hours
Floor Access	24 Hours
Complete Hardening	1 Week

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 straightforward to implement.
- It possesses considerable mechanical strength.
- Can be utilized without implants.
- It is simple to clean and maintain.
- It is a flexible coating.
- It is devoid of solvents.
- It does not generate dust.



Surface Preparation

Mechanical surface preparation (such as blastrack and rotatiger) must be conducted. The resulting dust layer should be removed using industrial vacuum cleaners, ensuring that the surface to be treated is sound, dry, and clean. It must be devoid of all dust, oil, paraffin, bitumen, and any particles that could impair adhesion, and all loose mortar, plaster, etc., must be eliminated from the surface. The concrete quality should be a minimum of C20/25 and at least 28 days old. The tensile strength of the reinforced concrete surface should be 15 N/mm², with a moisture content of 4% 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 executed using the chosen method. The surface is rendered completely dust-free with an industrial vacuum cleaner and prepared for application. Following surface preparation, all surfaces are primed with CLASS EPX-210 Solvent-Free Epoxy Primer.



Mixture

CLASS PUX-610 is supplied in two-component containers, proportioned 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 B component should be added to Component A simultaneously, and mixing must be conducted with a low-speed mixer (300-400 rpm) using an appropriate attachment until a homogeneous mixture is achieved. To ensure uniform distribution of the hardener, the mixer should be positioned near the edges of the container and at the bottom of the packaging. The two components must be mixed thoroughly. It is advisable to transfer the mixture to a clean container and mix again for an additional 3-4 minutes. Aggregates may be incorporated into CLASS PUX-610 on-site, and this should be done within the prepared homogeneous resin mixture.



Application Details

- CLASS PUX-610 is applied to the specified 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 PUX-610, a spiked roller is employed on the self-leveling coating to eliminate bubble formation and guarantee a smooth finish.
- 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

Theoretical consumption for a thickness of 1 mm: 1.80-2.00 kg/m²



PACKAGING

25 kg (A: 21.25 + B: 3.75) 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.