

Product Overview

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

Application Domains

- In interior environments, decorative flooring systems,
- In interior environments, industrial flooring systems,
- Healthcare institutions, pharmaceutical sector,
- Sales corridors,
- As an insulating layer in electrical panels owing to its insulating properties,
- It is utilized in flooring systems for offices, business centers, conference halls, and similar environments.

Technical Specifications

Colour	In a Variety 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 the results of conducted tests. The user bears full responsibility for the proper application of our original product. Our company assumes sole responsibility for the product's quality. This data sheet replaces the information found in the prior version. Our company retains the right to amend any information within this data sheet.

Advantages

- The application process is straightforward.
- It possesses considerable mechanical strength.
- Can be utilized without attachments.
- It is simple to clean and maintain.
- It is a coating characterized by an elastic structure.
- It is devoid of solvents.
- It does not generate dust.

Surface Preparation

Mechanical surface preparation, including methods such as blast track and rotatiger, is essential. The resulting dust layer must be removed using industrial vacuum cleaners, ensuring that the application surface is sound, dry, and clean. All dust, oil, paraffin, bitumen, and other contaminants that could hinder adhesion must be eliminated, along with any loose particles such as mortar and plaster. The concrete must meet a minimum quality of C20/25 and be at least 28 days old. The tensile strength of the reinforced concrete surface should be 15 N/mm², the moisture content must be 4%, and the surface temperature should be +8 °C. Successful application relies on meticulous surface preparation and the appropriate use of materials. Abrasion and roughening processes are conducted using the method chosen based on the surface condition. The surface is rendered completely dust-free with an industrial vacuum cleaner, preparing it for application. Following surface preparation, all surfaces are primed with EP-8001 Solvent-Free Epoxy Primer.



Mixture

PU-7002 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 combining these two components. All of Component B should be added to Component A simultaneously, and the mixture must be blended using a low-speed mixer (300-400 rpm) with the appropriate attachment until a homogeneous consistency is reached. To ensure uniform distribution of the hardener, the mixer should be positioned near the edges of the container and from the bottom to the top. The two components must be thoroughly integrated. It is advisable to transfer the mixture to another clean container and mix again for 3-4 minutes. Aggregate can be incorporated into PU-7002 at the construction site, and this should be done within the prepared homogeneous resin mixture.



Application Details

PU-7002 is applied to the specified thickness utilizing a notched trowel or a specialized rubber roller. The prepared mixture is uniformly distributed over the prepped surface using the selected method. After the application of PU-7002, a spiked roller is employed on the self-leveling coating to avert bubble formation and facilitate its release.

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



Consumption

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



PACKAGING

In 25 kg (A: 21.25 + B: 3.75) establish tin buckets.



Shelf life

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



Attention

- In applications conducted in enclosed spaces, the environment must be adequately ventilated.
- In cold weather, packages should be stored for a minimum of 24 hours at a temperature no lower than +15°C prior to application.
- Following application, the surface must be safeguarded against water, rain, dew, snow, hail, frost, and similar climatic conditions until it is entirely dry.
- Avoid approaching with open flames and refrain from smoking during application.
- Utilize gloves, goggles, and protective attire.
- In the event of skin contact, cleanse with soap and abundant water.
- Do not ingest, refrain from using empty containers for food storage, and avoid discarding them in fire.
- For professional use only; keep out of reach of children.

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