

Product Overview

It is a vibrant, adaptable, UV-resistant, aliphatic polyurethane topcoat. It adheres effectively to diverse surfaces, forming a highly protective and resilient film.

Application Domains

- On Polyurethane and Polyurea,
- Where ultraviolet resistance is necessary,
- In water storage tanks (excluding potable water),
- In the stadium's stands,
- Regarding epoxy coating,
- In roadway lines and markings,
- On sanitary and food surfaces,
- In the realm of healthcare,
- On roofs constructed from metal or fiber cement.
- In open parking systems.

Technical Specifications

Mixture Density	1,25 kg/lt
Blending Proportion	900 ± 1.500 mPas
Shore D (seven days)	3:1
Adhesive Strength to Concrete	> 2,4 N/mm ²
Compressive Strength of Concrete	>5 N/mm
Mixture Pot Duration	30 – 35 dk
You are making an effort.	>100 %

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 supersedes the information provided in the prior version. Our company retains the right to amend any information within this data sheet.

Advantages

- Applied cold therapy facilitates rapid healing.
- It possesses excellent resistance to scratches and impacts.
- Resistant to standing water and freezing temperatures,
- It retains its elasticity at temperatures as low as -40 °C.
- It possesses exceptional elastic properties.
- Simple to implement.
- Ensures optimal adhesion to the surface to which it is applied.
- It comprises a pure elastomeric, hydrophobic polyurethane resin that imparts UV, chemical, mechanical, and thermal resistance to the material.

Surface Preparation

Mechanical surface preparation, utilizing methods such as blastrack and rotatiger, is essential. The resultant dust layer must be removed with industrial vacuum cleaners, ensuring that the application surface is sound, dry, and clean. All dust, oil, paraffin, bitumen, and other contaminants that may hinder adhesion must be eliminated, along with any loose particles such as mortar and plaster. The concrete must possess 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, with a moisture content of 4% and a surface temperature of +8°C. The success of the application is contingent upon meticulous surface preparation and the appropriate use of materials. Abrasion and roughening are conducted using a 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-7801 Solvent-Free Epoxy Primer.

Mixture

PU-7001 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 blending these two components. All of Component B is added to Component A simultaneously, and the mixture should be combined using a low-speed mixer (300-400 rpm) with the appropriate attachment until a homogeneous consistency is attained.

PU-7001

2K Polyurethane Aliphatic Semi-Matte Topcoat
Paint (UV Resistant)



Application Details

PU-7001 can be applied using a brush roller or an airless sprayer. The rollers employed are intended for single use only and are not suitable for reuse.

- 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

0,150 – 0,250 kg/m²,
50 – 60 µm film thickness



PACKAGING

In 20 kg (A: 16 + B: 4) arranged tin buckets



Shelf life

It must be safeguarded against unfavorable weather conditions. It should be kept in a dry, cool, and 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 using 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, do not utilize empty containers for food storage, and do not dispose of them in fire.
- For professional use only; keep out of reach of children.

LEGAL NOTICE

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