

CLASS PUX-710

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



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Product Overview

It is a UV-resistant, colored, flexible topcoat material based on aliphatic polyurethane. It creates a highly protective and durable film layer with exceptional adhesion to a variety of surfaces.



Application Domains

- On polyurethane and polyurea,
- Where ultraviolet resistance is necessary,
- In water storage tanks (excluding potable water),
- In the stadium seating,
- Regarding epoxy coating,
- In roadway lines and markings,
- In sanitary and food-related environments,
- In the realm of the healthcare sector,
- 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 (7 days)	3:1
Adhesive Strength to Concrete	> 2,4 N/mm ²
Compressive Strength of Concrete	>5 N/mm
Mixture Pot Life	30 – 35 dk
You are making an effort.	>100 %

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

- Applied cold facilitates rapid healing.
- It possesses excellent resistance to scratches and impacts.
- It is impervious to standing water and freezing temperatures.
- It maintains its elasticity at temperatures as low as -40°C.
- It possesses significant elasticity.
- Simple to execute.
- It offers exceptional adhesion to the surface to which it is applied.
- It comprises a pure elastomeric, hydrophobic polyurethane resin that imparts UV, chemical, and mechanical resistance, as well as thermal durability to the material.



Surface Preparation

Mechanical surface preparation (such as blastrack 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/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 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. Upon completion of surface preparation, all surfaces are to be primed with CLASS PUX-770 Solvent-Free Epoxy Primer.



Mixture

CLASS PUX-710 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. All of component B is added to component A simultaneously, and mixing should be conducted with a low-speed mixer (300–400 rpm) and an appropriate attachment until the mixture attains homogeneity.

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Application Details

- CLASS PUX-710 can be applied using a brush, roller, or airless spray machine. 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 fully cured.
- It is important to acknowledge that waiting times may be reduced during warm weather and extended in cold weather.



Consumption

0,150 – 0,250 kg/m²,
50 – 60 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.

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