

PU 650 TC-1K

Single Component, Polyurethane Based,
Elastic, Colored, Aliphatic Top Coat Membrane

DESCRIPTION

PU 650 TC-1K is a single component, PU based, aliphatic top coat with high UV resistance. It is an elastic top coat material for PU waterproofing membranes. It cures with the humidity in the air and creates a seamless flexible and colored film layer. As has an aliphatic structure, it preserves its color when exposed to sunlight and does not fade or become yellowish.

TYPICAL APPLICATIONS

- As an elastic finishing material for polyurethane and polyurea waterproofing,
- Building materials such as wood, stone, marble or brick,
- Roofs exposed to UV,
- Surfaces requiring high abrasion resistance.

FEATURES AND ADVANTAGES

- Easy to apply (by brush, roller or spray).
- UV resistant.
- As it an aliphatic structure, it preserves its color when exposed to sunlight, does not fade or become yellowish.
- It provides excellent adhesion.
- It is resistant to continuous water contact.
- It has excellent chemical resistance.
- It has excellent mechanical properties, tear and tensile strength.

APPLICATION PROCEDURE

• SURFACE PREPARATION

Before the application to ensure a good adhesion oil, grease, paraffin wastes, cement grout, loose particles, mold release areas, cured old membranes should be removed from the surface. After washing the surface with high pressure water, it should be dried. Surface defects should be repaired with suitable products.

• PRIMING

PU PRIMER 200 should be used for absorbent surfaces such as concrete, cement or screed and TILE PRIMER for non-absorbent surface. It can be applied by brush. There is no need for a primer as a top coat in Polyurethane and Polyurea applications.

• APPLICATION

Before use, open the package and mix it with a low speed mixer for 2-3 minutes. While mixing the product, care should be taken not to let air into the mix at a high rate. If air is mixed into the material, visible air bubbles will occur after the material is cured on the floor. The material is poured over the primed surface and spread over the entire surface with the help of a roller or brush.

APPLICATION REMARKS

- Not recommended for unstable surfaces.
- It is not used for waterproofing of swimming pools with chemically treated waters.
- If polyurethane waterproofing materials will be coated, recoat time should be passed.

CONSUMPTION

For each layers minimum: 0,20 - 0,50 kg/m²

CLEANING

After the application, all tools used should be cleaned with CLEVER 001. Rollers and brushes should be disposed of.

PACKAGING AND COLOR

White and grey in 4 kg and 20 kg metal buckets.

STORAGE AND SHELF LIFE

The product can be stored for a maximum of 12 months in its unopened original package at temperatures between +5°C and +25°C. Opened product should be used as soon as possible.

PRECAUTIONS

The product should be used in well ventilated environments. The product should not be in contact with open fire. Smoking should not be allowed during application. Protective gloves and masks should be used for hands and eyes during application. If the material comes into contact with eyes, it should be washed immediately with sufficient water. For more detailed information, ask for Safety Data Sheet (MSDS) from CLEVER POLYMERS technical department.



TECHNICAL DATA

QUALIFICATION	METHOD	FEATURE
Coating Type	Clever Lab.	Single Component Aliphatic Polyurethane
Density	ASTM D 1475 / EN ISO 2811-1 (+20°C)	1,15 - 1,25 gr/cm ³ (±0,01)
Viscosity	ASTM D 2196-86 / EN ISO 3219 (+25°C)	100 - 500 cp
Gloss	Clever Lab.	Glossy
Application Temperature	Clever Lab.	+5°C to +35°C
Heat Resistance	Clever Lab.	100 days at +80 °C
Hardness	ASTM D2240, DIN 53505, EN ISO R868	>75 (Shore A)
Elongation at Break	ASTM D 412 (+23°C)	%500
Tensile Strength	ASTM D 412 (+23°C)	10 N/mm ²
QUV	ASTM G53	2000 hours
Tack Free Time	25°C / 55% RH	4 to 6 hours
Recoat Time	Clever Lab.	6 to 24 hours

* Viscosity measured at + 25°C according to EN ISO 3219 standards. Viscosity increases inversely with temperature.

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