

## PU FLEX GLOSSY TOPCOAT 2K Elastic Polyurethane Glossy Topcoat

### PU FLEX GLOSSY TOPCOAT 2K

Elastic Polyurethane Glossy Topcoat

#### DESCRIPTION

A two-component polyurethane resin-based elastic glossy/semi-gloss topcoat paint.

#### FEATURES

- Provides a glossy/semi-gloss protective coating system.
- UV-resistant due to being aliphatic PU-based.
- Excellent adhesion on PVC, vinyl coatings, elastic PU, and PUD coatings.
- Resistant when applied as a final coat on surfaces submerged in water.
- High tear resistance.
- Resistant to detergents, alkalis, and mild acidic chemicals.
- Excellent moisture resistance.
- Can be applied using an airless spray gun, roller, or brush.
- Creates hygienic surfaces.

#### APPLICATION AREAS

- Renewal of PVC and vinyl-based floor coatings.
- Topcoat coating for sports flooring.
- Coating for UV resistance of elastic sealers, primers, or any kind of elastic coatings.
- As a decorative topcoat.

#### COLOR OPTIONS: RAL Colors

#### TECHNICAL DATAS

PU FLEX GLOSSY TOPCOAT Component A	POLYURETHANE RESIN ALIPHATIC
PU FLEX GLOSSY TOPCOAT Component B	ALIPHATIC ISOCYANATE
COLOR	RAL Colors
Solid Content (by weight)	57%
Pot Life (20°C)	20-25 minutes
Mixing Density (20°C)	1.41 gr/cm <sup>3</sup>
Gloss	Approximately 34 at 60°
Pull Off Adhesion	3.2 Mpa
Viscosity	572 cp; 70.5 KU
Floor and Ambient Temperature for Application	+10°C to +30°C
Touch Dry (20°C)	6 hours
Full Drying Time (20°C)	24 hours
Full Curing Time	7 days

# PU FLEX GLOSSY TOPCOAT 2K

## Elastic Polyurethane Glossy Topcoat

### RECOMMENDED APPLICATION SURFACE CONDITIONS AND TEMPERATURE

- Previously applied surfaces (Elastic PU, Acrylate urethane elastic sealer, primer) should be dry, free from dust and dirt.
- The surface to be coated must be sound, dry, smooth, free from rubber residues weakening adhesion, oil, paint, and other impurities.
- If more than 72 hours have passed since the surface coating, mechanical abrasion of the surface is necessary.
- If renewing or repairing a previously polyurethane-coated surface, an adhesion test must be conducted before application.
- Surfaces where paint and coating have worn out can be coated with PU Flex Glossy Topcoat 2K following mechanical abrasion and cleaning.
- The application surface must have a temperature at least 3°C above the dew point.

### APPLICATION

- Component A is mixed and added to Component B. Mix thoroughly with a low-speed mixer for approximately 3 minutes until a homogeneous mixture is achieved. It is important to transfer this mixture to another clean container and mix for an additional 1-2 minutes.
- If applying with a roller or brush, the mixture is applied to the surface without thinning. For airless spray applications, it should be thinned with 10% of its own thinner, UP-005.
- The product's gel time is approximately 45-60 minutes at 20°C. The mixture must be applied swiftly to ensure proper finish.
- The optimal application temperature ranges between 15°C and 25°C.
- Considering that the gel time decreases as the ambient temperature rises, quick application is recommended.
- PU FLEX Glossy TopCoat exhibits excellent water resistance during the curing process. However, as with all isocyanate-based systems, it may produce foam or bubbles on the coating surface. Hence, the surface must be protected from water contact for 8-10 hours post-application. Avoid applying in rainy weather.

### MIXING RATIOS

PU FLEX GLOSSY TOPCOAT 2K Component A: 15 kg

PU FLEX GLOSSY TOPCOAT 2K Component B: 5 kg

### CONSUMPTION

Theoretical consumption: 0.130 kg/m<sup>2</sup> per coat (dependent on surface permeability and porosity). Do not apply the material at temperatures below 10°C or above 35°C.

### IMPORTANT NOTE

Consumption rates can vary based on surface porosity, ambient temperature, and application technique.

# PU FLEX GLOSSY TOPCOAT 2K

## Elastic Polyurethane Glossy Topcoat

### STORAGE

Products should be stored in tightly closed containers in dry environments within the temperature range of 15°C-35°C under protected storage conditions. If storing products at around +5°C, it is recommended to bring them to a suitable temperature of at least +10°C before use to ensure they're at the appropriate temperature. Do not use direct heat sources, flame, hot bodies, or similar items to heat the products. Lower temperatures can increase the viscosity of the material in its original packaging, making its use difficult and could extend or hinder the drying and hardening process of various products. It is advisable to complete each job with materials from the same manufacturing batch. When using different batches, it is recommended to mix the products together.

### SHELF LIFE

The product has a shelf life of 12 months from the production date.

### SAFETY AND RELATED DATA

PU FLEX GLOSSY TOPCOAT 2K is not classified as a hazardous substance. It does not contain substances such as mercury, asbestos, formaldehyde, or lead. Proper use of equipment and personal protective gear is recommended during surface preparation, product handling, and application stages. Do not expose products to direct heat sources or temperatures below +5°C for extended periods. For more detailed information, please refer to the Material Safety Data Sheet.

### Note

This technical statement provides guidance based on the test evaluations and results conducted according to relevant standards to assist applicators. Since workmanship, weather conditions, construction, equipment used, and other variables influencing the outcomes are entirely beyond our control, UNİCA does not provide any explicit or implicit warranty regarding this material. UNİCA only guarantees that the material is suitable for its product specifications, and its sole responsibility towards the buyer or user of this product is limited to the replacement value of the product in case of manufacturing defects. In no event shall UNİCA be liable for any direct or incidental, special, or consequential injury, loss, or damage arising directly or incidentally from the material applied or the process. UNİCA is in no way responsible for any defect, alteration, or change in condition in the substrate where its products are applied.