l'unicflex™ | SPORTS & ELASTIC FLOORS · POLYURETHANE

PU Flex Glossy Topcoat 2K

Elastic aliphatic polyurethane glossy / semi-gloss topcoat

COLOURS
RAL colours
glossy / semi-gloss

1.41 g/cm³	57 %	approx. 34 GU	3.2 MPa	0.130 kg/m²
Mixed density (20 °C)	Solids (by weight)	Gloss at 60°	Pull-off adhesion	Consumption per coat

Product description

PU FLEX GLOSSY TOPCOAT 2K is a two-component, polyurethane resin based elastic glossy / semi-gloss topcoat. Being aliphatic, it is UV-resistant and gives excellent adhesion on PVC, vinyl, elastic PU and PUD coatings. It is the glossy sister of **PU FLEX MATT TOPCOAT 2K**.

Application areas

- Renovation of PVC and vinyl floor coverings
- Topcoat for sports floor coatings
- UV-protective coat over elastic sealers, primers and elastic coatings
- Decorative topcoat

Advantages

- Glossy / semi-gloss protective system
- UV-resistant – aliphatic PU
- Excellent adhesion on PVC, vinyl, PU and PUD
- Durable on surfaces under water as topcoat
- High tear resistance
- Resistant to detergents, alkalis and mild acids
- Excellent moisture resistance; hygienic surfaces
- Airless, roller or brush

Position in the system

Glossy topcoat — THIS PRODUCT
PU FLEX GLOSSY TOPCOAT 2K · 0.130 kg/m² per coat

Elastic layer
Elastic PU / PUD coating · PVC · vinyl

Substrate
Sound, dry, clean surface

L'unicflex PU sports systems

UV-stable glossy finish for elastic floors

Matt version: PU FLEX MATT TOPCOAT 2K.

unica | Boytem
BOYTEM BOYA VE KİMYA SANAYİ TİCARET LİMİTED ŞİRKETİ
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Technical data (at +20 °C)

Component A	**Polyurethane resin**	Touch dry (20 °C)	**6 h**
Component B	**Aliphatic isocyanate**	Full dry (20 °C)	**24 h**
Colour	**RAL colours**	Full cure	**7 days**
Mixed density (20 °C)	**1.41 g/cm³**	Gloss (60°)	**approx. 34**
Solids (by weight)	**57 %**	Viscosity	**572 cP · 70.5 KU**
Application temperature	**+10 °C to +30 °C**	Pull-off adhesion	**3.2 MPa**
Pot life (20 °C)	**20–25 min**	Shelf life	**9 months**

Application procedure

01

Surface preparation

Previous coats must be dry and clean; surface sound and free of rubber residues, oil and paint. Abrade if more than 72 h have passed; test adhesion on old PU. Min. 3 °C above dew point.

02

Mixing

Stir component A, add it to component B and mix 3 min with a low-speed mixer until homogeneous; transfer to a clean container and mix 1–2 min more.

03

Application

Roller or brush: apply undiluted. Airless: thin with 10 % UP-005. Gel time approx. 45–60 min at 20 °C – apply quickly; ideal +15…+25 °C.

04

Protection

Protect from water contact for 8–10 h after application to avoid foam or bubbles. Do not apply in rainy weather.

Mixing ratio (by weight)



14 kg
Component A – PU resin

6 kg
Component B – aliphatic isocyanate

Airless application: thin with 10 % UP-005.

Application conditions
+10 °C – +35 °C
Do not apply below +10 °C or above +35 °C air temperature; ideal +15…+25 °C.

Consumption
0.130 kg/m²
Per coat – depending on surface permeability and porosity.

Gel time
45–60 min
At 20 °C – shorter at higher temperatures.

Important: protect the fresh coating from water for 8–10 hours – water on the surface can cause foaming or bubbles, as with all isocyanate systems.

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Packaging

- Kit: 14 kg A + 6 kg B

Storage

- Store in original closed packaging in dry, closed areas at 10–25 °C.
- Do not expose to direct sunlight.
- Shelf life: 9 months under these conditions.

Safety

- Harmless when cured.
- For protective measures, transport and waste management see the MSDS.

LEGAL NOTE

The explanations provided in this technical data sheet are based on test evaluations and results conducted according to relevant standards and are intended to guide applicators. As workmanship, weather conditions, construction, equipment used and other variables that may affect results are entirely beyond our control, UNICA does not provide any explicit or implicit warranty regarding this material. UNICA only guarantees that the material conforms to 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. Under no circumstances shall UNICA be liable for any direct or incidental, special or consequential injury, loss or damage arising from the material or its application. UNICA shall not be held responsible in any way for any defects, alterations or changes in conditions in the substrate where its products are applied.