l'unicflex™ | INDUSTRIAL FLOORS · POLYURETHANE

PU 941 Sealer 2K

Flexible polyurethane levelling and primer undercoat

COLOURS

Grey · Concrete green
levelling undercoat

1.67 g/cm³	99 %	20–25 min	4–5 h	7 days
Mixed density (20 °C)	Solids (by weight)	Pot life (20 °C)	Touch dry (20 °C)	Full cure

Product description

PU 941 SEALER 2K is a flexible polyurethane levelling and primer undercoat used to level surfaces before coating on decks, ramps, car parks, wet areas and pools.

Application areas

- Car parks and ramps
- Laboratories, chemical and pharmaceutical industries
- Shopping malls, supermarkets, school corridors and classrooms
- Food facilities where hygiene affects production
- Exhibition and fair areas; renovation of PU floors

Advantages

- Solvent-free
- High flexibility, durability and tear resistance
- High crack-bridging performance
- High moisture resistance, optimum curing
- Wear resistant
- Excellent adhesion and fire resistance

Position in the system

UV topcoat (if required)
PU ACRYLIC TOP COAT 2K

Textured traffic coat
PU 941 CP 2K · recommended 800 µm DFT

Levelling undercoat — THIS PRODUCT
PU 941 SEALER 2K · levelling undercoat

Primer
AQ PRIMER 2K or UNEPOX 128-05

Substrate
Concrete (25 N/mm², 21–28 days)

L'unicflex industrial

Flexible polyurethane floor systems

unica | Boytem
BOYTEM BOYA VE KİMYA SANAYİ TİCARET LİMİTED ŞİRKETİ
Factory: Gümüşova OSB 1. Sk. No:4 İç Kapı No:1 Gümüşova / Düzce – TÜRKİYE
T +90 216 304 03 05 · F +90 216 304 12 15
unicaboya.com · info@unicaboya.com

Technical data (at +20 °C)

Component A	**Polyurethane resin**	Pot life (20 °C)	**20–25 min**
Component B	**MDI hardener**	Touch dry (20 °C)	**4–5 h**
Colour	**Grey, concrete green**	Drying time (20 °C)	**24 h**
Mixed density (20 °C)	**1.67 g/cm³**	Full curing time	**7 days**
Solids (by weight)	**99 %**	Intercoat interval	**min. 16 h – max. 24 h**
Substrate / ambient temp.	**+10 °C to +30 °C**	Shelf life	**12 months**

Chemical resistance

Diluted acids · Diluted & concentrated alkalis · Cleaning detergents · Disinfectants · Vegetable, mineral & animal oils · Fresh & salt water · Diesel & gasoline · Alcohol · Many other solvents

Application procedure

01

Surface preparation

Apply after **AQ PRIMER 2K** or **UNEPOX 128-05** primer has cured. The surface must be dry, clean and free of dust, oil and adhesion-reducing substances.

02

Mixing

Mix the complete kit with a low-speed electric mixer until homogeneous – no hand mixing, no solvents.

03

Application

Level the surface to the required thickness before the following coating layer.

04

Intercoat interval

Min. 16 h – max. 24 h. If exceeded, sand the floor for good adhesion.

Mixing ratio (by weight)

85 parts | **15 parts**

- **85 parts**
  Component A – PU resin
- **15 parts**
  Component B – MDI hardener

Supplied as kits of 17 kg A + 3 kg B.

Application conditions
+10 °C – +30 °C
Substrate and ambient temperature; optimum +10…+32 °C for curing.

Pot life
20–25 min
At +20 °C. Do not prepare more material than can be applied within the pot life.

Important: for application over existing coatings, consult the Unica technical service and carry out compatibility and adhesion tests.

Points to consider

- Optimum application / curing temperature +10…+32 °C; max. relative humidity approx. 85 %.
- Substrate temperature at least 3 °C above dew point; concrete moisture < 6 % by weight.
- Concrete must be 21–28 days old, dry and free of dust, oil and residues; repair holes and cracks first.
- If rain is expected, do not proceed within 10–16 h. Test adhesion over existing coatings.
- Mix with a low-speed electric mixer – no hand mixing; add no solvents not recommended by Unica.
- Clean spills of vehicle fluids (hydraulic oil, gasoline, antifreeze) immediately.

Packaging

- Kit: 17 kg component A + 3 kg component B

Storage

- Store in tightly closed containers in dry areas at +15…+35 °C.
- If stored at approx. +5 °C, bring to at least +10 °C before use – no direct heat.
- Shelf life: 12 months from production.
- Use material from one batch per job; mix different batches together.

Safety

- Not classified as hazardous; contains no mercury, asbestos, formaldehyde or lead.
- Use suitable equipment and personal protective gear.
- Do not expose to direct heat or below +5 °C for long periods.
- See the Material Safety Data Sheet.

Cleaning

- Clean equipment immediately with UP-002 special diluent.
- Cured material: manual cleaning only. Wash hands with mild soap and water.
- Maintenance: UNICA SFC Cleaner.

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.

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