l'unicflex™ | INDUSTRIAL FLOORS · POLYURETHANE

PU 941 CP 2K

Solvent-free flexible textured coating – non-slip traffic / car park system

COLOUR
RAL colours
textured surface

1.38 g/cm³	100 %	Bfl	6–8 h	800 µm
Mixed density (20 °C)	Solids (by weight)	Fire class	Touch dry (24 °C)	Recommended DFT

Product description

PU 941 CP 2K is a flexible, crack-bridging, waterproof polyurethane coating cured with an aromatic hardener. It is suitable for pedestrian and vehicular traffic on decks, ramps, car parks, wet surfaces and pool surrounds.

Applications

- Multi-storey car parks, ramps and park decks
- Industrial and marine areas
- Roof decks and terraces
- Pool surrounds and wet areas

Advantages

- High crack-bridging performance and flexibility
- Noise-reducing system
- Wear and abrasion resistant for heavy use
- Aesthetic colour options
- Easy application on concrete
- Excellent adhesion and fire resistance

Position in the system

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

Textured traffic coat — THIS PRODUCT
PU 941 CP 2K · 800 µm DFT

Levelling undercoat
PU 941 SEALER 2K

Primer
AQ PRIMER 2K or UNEPOX 128-05

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

L'unicflex industrial

Flexible polyurethane floor systems

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Technical data (at +20 °C)

Density A / B (20 °C)	1.42 / 1.18 g/cm³	Fire class	Bfl
Mixed density (20 °C)	1.38 g/cm³	Shore hardness	A 88 · D 52
Solids (by weight)	100 %	Coverage at 100 µm DFT	4–5 m²
Surface	Textured	Recommended DFT	800 µm
Tensile adhesion	2.7 MPa	Touch dry / drying (24 °C)	6–8 h / 24 h
Wear (DIN 53109, Taber)	105 mg (1000 g / 1000 cycles)	Full cure	7 days
Impact (EN ISO 6272)	Class III	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
Concrete min. 25 N/mm², clean, dry and sound; remove dust, laitance, oil, grease and hardeners. Dry to 75 % RH per BS 8204.

02 — Mixing
Mix with a slow-speed mechanical mixer (300–400 rpm), keeping the paddle below the surface of the material to avoid air entrapment.

03 — Application
Apply with a rubber / V-notched steel squeegee and back-roll with a spike roller to achieve the desired texture.

04 — UV protection
PU 941 CP 2K is not UV-stable – where UV resistance is required, apply **PU ACRYLIC TOP COAT 2K**.

Kit composition (by weight)



- **17.8 kg** — Component A (coloured)
- **2.2 kg** — Component B – aromatic hardener

Mix complete kits only.

Application conditions
+10 °C – +32 °C
Optimum application / curing temperature; max. RH approx. 85 %.

Coverage
4–5 m²
Per kit unit at 100 µm DFT; recommended system DFT 800 µm.

Important: on-site trials are strongly recommended to verify substrate conditions, workmanship, consumption, slip resistance and finish.

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: 17.8 kg component A + 2.2 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.