

## PU 941 CP 2K

### Solvent-Free Flexible Textured Coating

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Non-Slip Traffic / Vehicle Parking System

#### DESCRIPTION

PU 941 CP 2K Non-Slip Traffic / Vehicle Parking System is a flexible, crack-bridging, waterproof polyurethane coating cured with an aromatic hardener, suitable for pedestrian and vehicular traffic, decks, ramps, car parks, wet surfaces, and side pools.

#### APPLICATIONS

- Multi-story car parks.
- Industrial, marine.
- Ramps, park decks.
- Roof decks.
- Side pools, wet areas.
- Terraces, and more.

#### ADVANTAGES

- High crack bridging performance, flexibility.
- Aesthetic color options.
- Noise reduction system.
- Easy application on concrete substrates.
- Wear, abrasion-resistant for heavy use.
- Excellent adhesion and fire-resistant.

#### TECHNICAL DATAS

Density at 20°C (Component A)	1.42 g/cm <sup>3</sup>
Density at 20°C (Component B)	1.18 g/cm <sup>3</sup>
Density at 20°C (Component Mixed)	1.38 g/cm <sup>3</sup>
Solids Content (by weight)	100%
Surface	Textured
Adhesion (Tensile Adhesion):	2.7 MPa
Wear Resistance DIN 53109	105 mg Taber wear 1000 gr / 1000 cycles
Impact Resistance EN ISO 6272	Class III
Fire Class	Bfl
Shore D	52
Shore A	88
Coating Area	@100 micron DFT 4-5 m <sup>2</sup>
Recommended DFT micron	800
Application	Intermediate Coat / Top Coat
Touch Dry (24°C)	6-8 h
Drying Time (24°C)	24 h
Full Cure	7 days

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### PACKAGING

- 15,4 kg A + 4,6 kg B

### COLOURS

- RAL Colors

### SURFACE PREPERATION

Concrete substrate should be 25N/mm<sup>2</sup>, clean, dry, and sound. Remove all dust, laitancy, oil, grease, hardeners, and other contaminants. The substrate should be dry to 75% relative humidity per BS8204.

### APPLICATION

PU 941 CP 2K is a high-viscosity/equalizing screed/coating system applied using a slow-speed mechanical mixer (300-400 rpm). To prevent air entrapment in the coating, keep the mixing paddle below the mixing surface of PU 941 CP 2K. Apply the mixture with a rubber/V-notched steel-bladed squeegee and backroll with a spike roller to achieve the desired texture.

### CLEANING

Clean all equipment immediately with Special Diluent UP-002. If the coating has cured, manual cleaning is required. Hands should only be cleaned with mild soaps and plenty of water.

Maintenance:

Clean the surface with UNICA SFC Cleaner. For necessary recommendations, contact UNICA technical sales.

### LIMITATIONS

- PU 941 CP 2K Non-Slip Traffic / Vehicle Parking System is best applied by experienced applicators.
- The optimum application/curing temperature is between 10°C-32°C.
- Low temperatures slow down curing time, while high temperatures accelerate it.
- Maximum relative humidity during application and curing is approximately 85%.
- Substrate temperature should be at least 3°C above the dew point.
- Concrete moisture content should be less than 6% by weight.
- Do not apply to porous or damp substrates where vapor transmission may occur during application and curing.
- Concrete should be at least 21-28 days old depending on conditions.
- Prior to application, the surface must be dry, free from dust, oil, and residues.
- If rain is expected, do not proceed within 10-16 hours. In case of rain, wait for the surface to dry completely to prevent potential adhesion and bonding risks.
- Surface preparation (filling holes, cracks, stained areas, etc.) should be done properly before application. Surface irregularities may be reflected through the applied system.
- For application over existing coatings, compatibility and adhesion tests should be conducted.
- Do not expose materials to outdoor or direct sunlight.
- Do not hand mix products, use an electric mixer at low speed.
- Do not add a solvent not recommended by UNICA.

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- The shown thicknesses are minimum recommendations for guidance purposes. Consult with UNICA if additional thickness is needed.
- PU 941 CP 2K is not UV stable; if UV-resistant coating is required, apply PU Acrylic Top Coat 2K.
- Vehicle fluids (hydraulic oil, gasoline, antifreeze, etc.) can stain floors. Such liquid spills should be cleaned immediately as the coating can be damaged from prolonged exposure in certain cases.
- Conducting tests on-site is strongly recommended to verify substrate conditions, application methods, determine acceptable workmanship, define consumption, coating and desired slip resistance, and approve finishing standards and aesthetics.

### 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 941 CP 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, UNICA does not provide any explicit or implicit warranty regarding this material. UNICA 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 UNICA 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. UNICA is in no way responsible for any defect, alteration, or change in condition in the substrate where its products are applied.