



Waterproofing PU FLEX 2000 UV PROTECT

Technical Data Sheet

Reviewed: 26.09.2024

DESCRIPTION

PU FLEX 2000 UV PROTECT is an elastomeric 100% aliphatic polyurethane TOPCOAT, UV stable with excellent resistance to moisture and stagnant water. It keeps its colour unchanged over time without turning yellow or chalking. Intended as a final coating in common polyurethane waterproofing systems for exposed roofs as well as common building surfaces.

ADVANTAGES

- Exceptional resistance to UV radiation
- Resistance to temperature: -40°C to +90°C
- Colour stability, without chalking, even after long exposure to UV radiation
- Highly elastic - ability to cover small cracks
- Excellent compatibility with liquid applied polyurethane waterproofing membranes
- Excellent adhesion to porous surfaces and even without the use of primer
- Increases wear and abrasion resistance of the waterproofing system
- High resistance to stagnant water and many chemicals
- Resistant to light pedestrian and vehicle traffic

APPLICATIONS

PU FLEX 2000 UV PROTECT is suitable for repairing, refining and revitalizing polyurethane roofing membranes, offering a stronger coating with exceptional strength and excellent UV resistance for old and new applications. It is also suitable for terraces, rooftops, pedestrian corridors, open parking and many other areas. Recommended for coating polyurethane foam insulation systems.

PU FLEX 2000 UV PROTECT is recommended for use as a final coating over **PU FLEX 1000**.

INSTRUCTION FOR USE

Substrate preparation

Careful surface preparation is very important for optimum finish and durability.

Application surfaces must be free from dust, grease, loose residues and moisture that may affect adhesion. It should not be applied to wet surfaces or when rain is expected.

Application

1. Stir well before use.
2. Pour the **PU FLEX 2000** onto the surface and spread it using a roller or brush, until all surface is covered.
3. You can use airless spray allowing a considerable saving of manpower.
4. After 4 – 24 hours and not more than 48 hours, apply a second layer of **PU FLEX 2000** if needed.
5. **PU FLEX 2000** can be diluted up to 10% with **DIL X 100** solvent for easier application.
6. After opening the container, use all the product. Opened containers cannot be restored to be used another time.

ATTENTION: For best results, the temperature during coating and curing should be between 5°C and 35°C.

CLEANING

Clean all equipment immediately after use with polyurethane solvent **DIL X 100**.

COVERAGE

120 - 200 gr/m² per coat, depending on the roughness of the substrate.

TECHNICAL CHARACTERISTICS

Base: Polyurethane resin

Colour: White, other colours upon request

Surface membrane formation time: 30' depending on weather conditions

Specific gravity: 1,05 ± 0,05 kg/Lt, 25°C

Viscosity: 2.200 ± 200 cps

Elongation at break point (DIN 53504): 150 %

Tensile strength (DIN 53504): 4,5 N/mm²

Hardness SHORE D: >30

Temperature variations resistance: -40°C - +90°C.

Application temperature: +5°C - +38°C.

Adhering ability to concrete (ASTM D903): >2 N/mm²

Excellent resistance to UV radiation and moisture exposure (QUV-se ACCELERATED WEATHERING CYCLIC CORROSION TESTER)

2000 h accelerated weathering, consisting of the following cycles:

a. 4h UV exposure, at 60°C

b. 4h moisture exposure, at 50°C.

Result: Retains its mechanical properties and elastic performance. No chalking observed. No color change observed.

Light Pedestrian Traffic: 12 – 24 hours (25°C, 50% RH)

Final Curing: 7 days (25°C, 50% RH)

VOC (Volatile organic Compounds) CONTENT: (Directive 2004/42/CE) EU maximum VOC content limit values for this product (category A/i(SB): «One-pack performance coatings»): 500 gr/lit (2010). This product contains maximum 490 gr/lit VOCs (ready for use product).

STORAGE

Store in dry and cool storage conditions at temperatures 5°C - 35°C.

Protect from moisture and direct sunlight

SHELF LIFE

At least 12 months in unopened containers. Products should remain in their original unopened containers, bearing the manufacturers batch number.

PACKAGING

White: 4kg, 10kg

PACKAGING	CODE	BARCODE
White		
4kg	5236	5204094052364
10kg	5256	5204094052562

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HEALTH AND SAFETY INFORMATION

Before use, consult the product's recent Safety Data Sheet.

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The directives contained in this technical data sheet are the result of our long experience from real life applications and the research testing of our research and development laboratory and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications, which are beyond our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments. We are liable only for our products for being free from faults and of consistent quality. Users are responsible for complying with local legislation and for obtaining any required approvals or authorizations. The present edition of this technical datasheet automatically cancels any previous ones concerning the same product.



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