



Waterproofing

PU FLEX 2000 UV PROTECT

Technical Data Sheet

Reviewed: 26.02.2020



DESCRIPTION

PU FLEX 2000 is one component liquid-applied waterproofing coating based on aliphatic polyurethane for roofs and all usual building surfaces. Provides excellent resistance to moisture and UV radiation. It is designed to protect as a topcoat polyurethane waterproofing membranes and many other coatings.

ADVANTAGES

- Exceptional resistance to UV radiation
- Resistance to temperature: -40°C to +80°C
- Colour stability, without chalking, even after long exposure to UV
- 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
- High resistance to stagnant water and many chemicals
- Mechanical strain and friction resistance
- Resistant to pedestrians and vehicles

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 of old and new applications. It is also suitable for terraces, rooftops, pedestrian corridors, open parkings 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. Apply the second layer of the PU FLEX 2000 at least in 3 - 4 hours and not more than 48 hours.
5. PU FLEX 2000 can be diluted up to 10% with DIL X 100 solvent
6. Curing time: 8 - 24 hours depending on temperature and humidity conditions.

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 DILX 100

COVERAGE

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

TECHNICAL CHARACTERISTICS

Base: Polyurethane resin

Colour: White

Surface membrane formation time: 30' depending on weather conditions

Specific gravity: 1,05 ± 1,1

Viscosity : 2.100 - 2.500 cps

Elongation at break point (DIN 53504): 150 %

Tensile strength (DIN 53504): 4,65 N/mm²

Hardness SHORE D: 30

Temperature variations resistance: -40°C - +80°C.

Application temperature: +5°C - +40°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.

Light Pedestrian Traffic Time: 12 - 24 hours (20° C, 50% RH)

Final Curing time: 7 days (20°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.

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PACKAGING

White: 4Kg

PACKAGING	CODE	BARCODE
White		
4Kg	5236	5204094052364

HEALTH AND SAFETY INFORMATION



Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways Eye Irrit. 2: H319 - Causes serious eye irritation Flam. Liq. 3: H226 - Flammable liquid and vapour Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled Skin Irrit. 2: H315 - Causes skin irritation Skin Sens. 1: H317 - May cause an allergic skin reaction STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral) STOT SE 3: H335 - May cause respiratory irritation P101: If medical advice is needed, have product container or label at hand P102: Keep out of reach of children P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking P264: Wash thoroughly after handling P280: Wear protective gloves/protective clothing/eye protection/face protection P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P370+P378: In case of fire: Use ABC powder extinguisher to extinguish P501: Dispose of contents/container according to the separated collection system used in your municipality EUH204: Contains isocyanates. May produce an allergic reaction Contains Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate, Hydroxyphenyl benzotriazol derivative, Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate Substances that contribute to the classification: Xylene; 1,6-hexanediy-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate; 3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers; 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

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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