

EVERflow®

Made by MPC



TECHNICAL DATA SHEET

version v.10-12-2024



EVERFLOOR PU306

POLYURETHANE MEMBRANE FOR STANDARD FLOOR COATINGS



Two-component, colored, aromatic, and fluid polyurethane resin used as a coating. Once cured, it forms a continuous, seamless surface with high resistance to abrasion and wear. Suitable for flooring and surface coatings in commercial or industrial environments, designed to withstand pedestrian and vehicular traffic.

For application in the following situations:

- Ideal for vehicular areas such as garages, parking lots, and industrial floors.
- Also suitable for environments like chemical and food processing industries, as well as commercial spaces.

Technical and chemical properties

Density ISO 1675 Viscosity ISO 2555	1.20 g/cm3 1500±500 cps
Solids Content ISO 1768 VOC content	100% 14 g/L
Application thickness	9-10 mils (275-300 g/sqm)
Product Yield	880-980 ft2 / kit *depending on application method and conditions
Pot life Initial dry time Recoat time Full Cure	35 minutes 2-4 hours 5-24 hours 7 days Walkable 24 hours Vehicular traffic 5 days
Application temperature range (substrate and environment) Use temperature range (environment)	5-35°C (41-95°F) 5-30°C (41-86°F) Maximum environment humidity 80%
Application method	by roller, a notched trowel, or squeegee
Packaging and color	19.5 kg (43 lbs.) A + 5.5 kg (12 lbs.) B Available in white (RAL 9003) and grey (RAL 7042)
Storage and shelf life	12 months in original containers in a dry environment 5-35°C (41-95°F). Keep away from direct sunlight, extreme heat/cold or moisture. Once opened, product must be used completely.

The logo for EVERflow, with 'EVER' in white and 'flow' in orange, followed by a registered trademark symbol.

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Surface preparation for cement/concrete substrates:

Remove dust, dirt, grease, oil, and all other contaminants with proper cleaner/degreaser. Prepare the surface mechanically as per ICRI-CSP2 profile by diamond grinding to ensure removal of laitance, curing agents and sealers. The compressive strength of a newly poured concrete substrate must be at least 25 MPa (3635 psi) after 28 days of cure and at least 1.5 MPa (218 psi) tensile strength. Be careful with condensation (at least 3 degrees above the dew point). All cracks, holes and irregularities must be repaired with a crack filler prior to applying the coating.

Application method (classic application)

Open pails of both components and homogenize each one by mixing equipment at medium speed. Pour component B into the container of component A. Mix thoroughly with an electric mixer at medium speed until a uniform, homogeneous mixture is achieved. If unsure, perform a test application on a small area to verify suitability. Apply the first layer using a brush or short nap roller, ensuring a consumption of 9-10 mils thickness. Once dry, apply the next layer in the same manner. For highly absorbent surfaces or very light colors, a third coat may be required.

Application method (multilayer application)

Apply the first layer using a brush or short nap roller, ensuring a consumption of 9-10 mils thickness. Sprinkle the surface with aggregate (silica sand) until fully saturated. Once dry, the remaining aggregate must be removed by sweeping. Lightly sand the surface and then vacuum any residues. Apply the second layer in the same manner.

Application method (self-leveling application)

In this type of application, clean, dry granular quartz sand (0.1–0.5 mm) may be incorporated at a mixing ratio of approximately 1:0.7 or 1:1, depending on the temperature and the desired workability. Apply the mixture onto the substrate and distribute it using a notched trowel, which allows precise control over the required thickness and coverage. After approximately 20 minutes, a spiked roller should be used to facilitate the release of entrapped air within the material.

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Technical and Chemical properties

Mixing ratio (by weight)	3.54 : 1
Tensile strength ISO 527-3	>15 MPa
Elongation at break ISO 527-3	±75%
Hardness Shore A/D at 7 days DIN 53.505	>93 / >60
VOC Emissions	Class C(French VOV Regulation)
Radon diffusion coefficient ISO-DTS 11665-13	PASS
Watertightness EN-1928	PASS
Antiskid UNE 41901:2017 EX	PTV=47 (Class 3, external, wet surfaces as pools or wet rooms, slope more than 6%, including steps) / multilayer application, surface spreading with Silica Sand (800-1000 g/sqm)
Adherence resistance UNE-EN 13892-8	3.5 MPa
Impact Resistance UNE-EN ISO 6272-1	>14.7 Nm / At 1500 mm. no damages. Crater diameter: 4.2 mm
Wear Resistance UNE-EN 13892-4	20 µm
Reaction to fire ISO-11925-2	Efl
Reaction to fire for floors ISO-9239-1:2100	Bfl s1

*Results where performed in a laboratory setting at 23°C (73°F) and 50% RH, under controlled conditions. These values may vary depending on the application, climatology, or substrate conditions.

The logo for Everflow, featuring the word "EVERflow" in a bold, sans-serif font. "EVER" is in white and "flow" is in orange, with a stylized orange and white circle representing a drop or a wheel.

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General specification and restrictions

- A 100% solids, colored polyurethane resin with high fluidity and excellent covering power. Once cured, it forms a hard-wearing, seamless coating that is fully bonded to the substrate. The surface is joint-free, easy to clean and maintain, and highly durable.
- This product holds CE marking based on the Declaration of Performance (DoP) in accordance with UNE-EN 13813:2014.
- This product is solvent-free (100% solids), and must never be diluted with water or solvents.
- Certified with Classification C under ISO 16000 for low emissions of volatile organic compounds (VOCs).
- It should be applied in dry conditions, ensuring that there is no moisture present on the surface to be coated or the substrate, either at the time of application or afterward (such as pressure from the phreatic water level ('hydrostatic')). If there is moisture in the substrate at the time of application, the process should be adjusted accordingly.
- The final product is obtained by mixing the two components supplied in the kit. If mixing partial quantities, always adhere strictly to the specified mixing ratio to ensure optimal performance. To avoid possible color variation, it is recommended to use the same batch number for all areas being coated.

Warranty and disclaimer

Everflow® warrants that our products are free from manufacture defects in accordance with our quality control procedures. Any products proven defective are limited to the replacement of defective products or refund of the purchase price as determined by Everflow®. Please contact your local Everflow® sales representative for more information and warranty requirements.

The information and recommendations contained in this technical data sheet are based on reliable test results according to Everflow®. The data mentioned are specific to the material indicated. If used in combination with other materials, the results may be different. It is the responsibility of the user to validate the information therein and to test the product before using it. Everflow® assumes no legal responsibility for the results obtained in such cases. Everflow® assumes no legal responsibility for any direct, indirect, consequential, economic or any other damages except to replace the product or to reimburse the purchase price, as set out in the purchase contract.