

EVERflow®

Made by MPC



TECHNICAL DATA SHEET

version v.07-12-2024



EVERPRIME PU

TWO COMPONENT POLYURETHANE PRIMER



A two-component, low-viscosity, 100% solid polyurethane resin, specifically designed to enhance bonding and improve surface leveling before applying liquid waterproofing membranes

For application in the following situations:

- Enhance adhesion and improve the surface planimetry of materials such as mortar and concrete
- Acts as an adhesion promoter on overlapping areas of old waterproofing membranes
- To be used as the main polyurethane primer under our waterproofing, roofing, and parking deck systems

Technical and chemical properties

Solids Content ISO 1768 VOC content	100% 0 g/L
Product consumption	~530 ft ² /kit @ 7 mils thickness *depending on application method and conditions
Pot life Initial dry time Recoat time	±50 minutes ±3 hours dry to maximum 48 hours (solvent wipe and recoat)
Application temperature range (substrate and environment) Use temperature range (environment)	5-35°C (41-95°F) -20-80°C (-4-176°F) Maximum substrate environment humidity: 4% 80%
Application method	short-nap acrylic wool roller, by brush
Packaging and mix ratio	5 kg A and 5 kg B (22 lbs.) Mix ratio A:B =1:1
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.

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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-CSP3-5 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 each container and pour them into a large mixing pail. Mechanically mix the products using a low-speed drill (300-450 rpm) to reduce air entrapment and to obtain a homogeneous mixture. Apply the mixture in two or more thin, crossed coats until the desired surface level is achieved, ensuring to allow proper drying time before recoating. The consumption ranges from 530 ft²/kit, depending on the substrate's roughness. Apply as many coats as needed for the substrate. Always follow the recommended recoat time between layers or different materials. For repairs, overlaps, or joining bridges between already cured membranes, the consumption may be lower.

Physical and Technical properties

Density A B mixture, ISO 1675	1.11 ±0.05 1.15 ±0.05 1.12 ±0.08 g/cm ³
Viscosity A B mixture, ISO 2555	50-400 cps 400-950 cps 700 ±100 cps
Determination of adhesion by direct pull-off on concrete, UNE-EN 1542	3.6 MPa
Vapor water permeability, UNE-EN ISO 7783	Sd = 4.9 (Class I) / 4.2 g/sqm/day / μ = 40,788
Liquid water permeability, UNE-EN 1062-3	W = 0.0001 kg/(sqm * h0.5) (PASS, <0.1)
Reaction to fire EN-13501-1:2007 + A1:2010	Efl

***Results were 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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The title "TECHNICAL DATA SHEET" in white, bold, uppercase letters, with "version v.07-12-2024" in a smaller font below it, all on an orange background.

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General specification and restrictions

- A two-component, 100% solids polyurethane coating that is solvent-free and odorless. Once dried, it forms a continuous film on concrete or mortar substrates, enhancing adhesion for liquid waterproofing and flooring systems.
- The coating holds a CE marking on the basis of a statement made DoP (Declaration of Performance) under the EN 1504-2:2004 table 5.
- It must 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.
- No dilution needed.
- Possibility of applying in combination with mineral based fillers on very irregular substrates or to improve mechanical adhesion.
- The system requires solar radiation protection (UV rays) to do not lose its physical and mechanical properties, given that it is an aromatic membrane.

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.