EVERflow®
Made by MPC

TECHNICAL DATA SHEET
version v.01-12-2024

EF MASTIC PU

POLYURETHANE MASTIC FOR SEALING CRACKS

It is a one-component polyurethane mastic that cures quickly upon contact with atmospheric moisture, forming a hard, elastic sealant with a medium to high modulus of elasticity. Designed for sealing both vertical and horizontal joints.

For application in the following situations:

- Suitable for sealing expansion joints and cracks.
- Ideal for caulking joints between horizontal and vertical surfaces as part of substrate preparation for liquid waterproofing systems.
- Provides general sealing for a wide range of building materials, including concrete, wood, aluminum, lacquered metal, polyester, glass, PVC, clay and concrete tiles, stone, and ceramic stoneware.
- UV-resistant, although slight surface discoloration may occur over time.

Technical and chemical properties

Density ISO 1675	1.18 ±0.05 g/cm3
Product yield (Diameter of application / linear fleet)	2 mm = 190 m | 3 mm = 85 m | 4 mm = 47 m | 5 mm =30 m 6 mm = 21 m | 7 mm = 15 m | 8 mm = 11 m | 9 mm = 9 m | 10 mm = 7 m
Skin formation time| Curing time total thickness	70 minutes | 24 hours (3mm)
Application temperature range	5-35°C (41-95°F)
Temperature resistance	- 40 ~+80°C (- 40 ~176 °F)
Application method	manual or pneumatic gun
Packaging and color	Sausage casing 600 ml | Available in grey
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.

EVERflow®
Made by MPC

TECHNICAL DATA SHEET

version v.01-12-2024

Surface preparation for cement/concrete substrates:
Remove dust, dirt, grease, oil, and all other contaminants with proper cleaner/degreaser.

Application method
Application can be done using a manual or pneumatic gun. All traces of grease, paint, or non-adherent coatings must be thoroughly removed before use. After applying the product, smooth the joint using a putty knife and soapy water. The sealant should be used within 24 hours of opening the sausage to prevent it from hardening inside. Do not apply at temperatures below 5 °C (41 °F). In cold conditions, store cartridges at approximately 20 °C (68 °F) before use. Avoid contact with uncured MS polymers, hybrid polyurethane or silicone sealants, as well as with alcohols or ammonia during the curing process. For joint applications, the depth should be twice the width, with a maximum allowable width of 38 mm.

Physical and Technical properties for use as a roof and waterproofing coating

Sagging ISO 7390	None
Loss of volume ISO 10563	<10%
Tear resistance ISO 8340 modified	PASS
Adhesion/cohesion properties of deformation under tension maintained immersion in water at 28 days ISO 10590 modified	No break
Adhesion/cohesion properties of deformation under-maintained tension, immersion in saltwater at 28 days ISO 10590 modified	No break
Adhesion/cohesion tensile deformation properties maintained at -30°C ISO 8340 modified	PASS
Durability ISO 8340/9047/10590	PASS
Modulus at 100 % ISO 8339 ±0.4 MPa	±0.4 MPa
Elongation at break ISO 8339	>500 %
Tear strength DIN 53515	±10 N/mm
Hardness Shore A/D (internal test)	35~40 / 9~10
Water and salt spray resistance	excellent
Resistance to dilute acids and bases	average
UV resistance	medium
Compatibility with paints	water-based: yes solvent-based: carry out tests before hand

***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.**

EVERflow®
Made by MPC

TECHNICAL DATA SHEET

version v.01-12-2024

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.