

EVERflow®

Made by MPC



TECHNICAL DATA SHEET

version v.15-12-2024



EVERBIND 702

TWO COMPONENT ALIPHATIC POLYURETHANE BINDER FOR USE WITH DECORATIVE AGGREGATES



A two-component, aliphatic, odorless, 100% solids polyurethane designed to be used as a binder for stone encapsulation in walkable and traffic areas exposed to UV rays.

For application in the following situations:

- Interior and exterior areas such as garages, walkways, stone paths, swimming pool outlines
- Pedestrian and car-traffic allowed

Technical and chemical properties

Solids Content ISO 1768 VOC content	100% 0 g/L
Pot life dry time	30 minutes 4-5 hours
Ambiance substrate temperature range Ready to use: pedestrian car traffic	3-30°C (37-95°F) 5-25°C (41-77°F) 8-10 hours 24 hours
Application method	a notched trowel
Packaging and mix ratio	2.5 kg A and 4.5 kg B (15.4 lbs.) 1:14 mixture : aggregate *need ~100 kg (220 lbs.) of aggregate for 7 kg (15 lbs.) of mixture
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-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 and concrete surface must be primed prior to applying the coating.

Application method (classic application)

Open the containers of both components, mix and homogenize them using a medium-speed mixer. While mixing, gradually add the correct amount of aggregates (approximately 100 kg (220 lbs.) of aggregate for every 7 kg (15 lbs.) of binder) to a large mixer, and then pour in the previously prepared mixture. Continue mixing for 3-4 minutes, or until the aggregates are fully homogenized with the binder. Pour the resin and aggregate mixture onto the substrate, and spread it using a notched trowel or similar tool to control thickness and coverage. Finally, smooth the surface with a trowel or appropriate tool.

Physical and Technical properties

Density A B mixture, ISO 1675	1.15 ±0.05 1.00 ±0.05 1.0 ±0.05 g/cm3
Viscosity A B mixture, ISO 2555	1,000 - 1,400 2,800 - 3,100 1,700 - 2,500 cps
Tensile strength	7-8 MPa
Elongation at break	50-70 %
Hardness Shore D DIN 53.505	> 40

*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 white circle representing a drop or a wheel in the middle of the "o".

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The title "TECHNICAL DATA SHEET" in white, bold, uppercase letters, followed by the version number "version v.15-12-2024" in a smaller, white, lowercase font.

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version v.15-12-2024

The section header "General specification and restrictions" in bold black text.

General specification and restrictions

- Transparent and aliphatic polyurethane, 100% solids, solvent-free and odorless, flexible with a high resistance to surface abrasion.
- Do not add water or any solvent.
- 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.
- To reduce the risk of condensation, both the substrate and the ambient temperature should be a least 3°C above the dew point measured at the time of application.
- Binder for encapsulating aggregates must be dry. The mixing ratio of 1:14 (mixture : aggregate) is assumed for aggregate size >7 mm in diameter. For smaller diameter/sizes, increase the amount of resin mixed, to achieve good compactness and homogeneity of the mixture.

The section header "Warranty and disclaimer" in bold black text.

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.