

POLISTAR P 8670 W

TWO COMPONENT ALIPHATIC WATER BASED POLYURETHANE CLEAR COAT



CHARACTERISTICS

Ecological product ideal for closed environments.

Suitable for concrete floors and walls.

Good **scratch** resistance.

Suitable for finishing resinous and decorative systems.

Good **chemical resistance**.

Good **elasticity**.

Limited dirt pick-up.

Excellent **breathable** properties.

Very low VOC content.

Good **breathable** properties.

UV Resistant.

Contributes to obtaining credits for **LEED** certification.

Meets the requirements of the **13813** standard for synthetic resin-based screeds.

APPLICATION TEMPERATURE

Applicable **from +10°C to +40°C** on the substrate.

OPERATING TEMPERATURE

Operating temperature **from -25°C to +80°C** (in air).

APPLICATION FIELDS

Transparent, glossy or matt varnish for:

- Decorative sector.
- Flooring or wainscoting of workshops.
- Food industry where floor and wall covering is required for simple and effective sanitization.
- Stores.
- Labs.
- Industries.
- Commercial spaces.
- Parking lots.

Gloss or matt transparent finish, of **multilayer** or **self-levelling**, epoxy and polyurethane systems.

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SUBSTRATE PREPARATION

The **POLISTAR P 8670 W** product can be applied as a coloured protective directly on epoxy and polyurethane coatings.

- Surfaces must be **dry**, **clean** and free from **pollutants**.
- On old existing coatings, correctly adhered to the substrate, a suitable mechanical preparation such as sanding with sandpaper is recommended.
- For applications on epoxy-cement products from the **FU line**, we recommend interposing a coat of epoxy resin type **STARCEMENT 5/A** (transparent) or coloured finishes such as **DUROGLASS FF4416**, **DUROGLASS P**, **DUROGLASS PX**, **DUROGLASS PW TOP** (in the case of thin) or other **DUROGLASS PX** or **DUROGLASS P 5/5** epoxy products, in order to increase adhesion.

PRODUCT PREPARATION

Two-component product to be mixed thoroughly before use with a low-speed helical mechanical stirrer, operating as follows:

- Add component B with component A and mix until completely homogenized.

DILUTION AND COLOUR

For absorbent substrates, dilute the first coat with 10% of **water**.

The product cannot be coloured.

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PRODUCT APPLICATION

POLISTAR P 8670 W can be applied in two coats by:

- Roller
- Brush
- Airless trowel

POLISTAR P 8670 W can be applied with an indicative consumption of **0.10 – 0.15 Kg/m²** per coat.

WARNINGS AND PRECAUTIONS

- After 24 hours from the last coat applied, the product must be sanded.
- In the case of a resin substrate or closed, smooth (non-porous) surface, before applying **POLISTAR P 8670 W** it is always necessary to sand until the gloss is removed.
- Applications made at temperatures below 8°C should be avoided. The product fears frost, therefore store at temperatures above +5°C.

SAFETY AND CLEANLINESS

When applying these products, it is recommended to use goggles, masks and rubber gloves and all the PPE required by current regulations.

Work tools must be cleaned with the thinner **DILUENTE 6** after use.

For more information regarding the precautions for use, please refer to the safety data sheet.



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TECHNICAL DATA		
Colour		Glossy transparent or matt transparent
Specific weight	UNI EN ISO 2811-1	1.08 ± 0.05 kg/l
Mix ratio		100 parts by weight basis 20 parts by weight of hardener
Viscosity 20°C	UNI EN ISO 2431 Cup Ø4	120 ± 20 seconds
Pot life 23°C	UNI EN ISO 9514	30 minutes
Theoretical consumption		100-120 g/m ²
Non-volatile substances	EN ISO 3251	45±1 % in volume
Curing 22°C, 50% R.H.		- dust-free exterior: 30 minutes - walkable with caution: 3 hours
Abrasion resistance	ASTM D 4060	Grinder CS10, 1000 g 100 rpm < 20 mg
Gloss* 60° GLOSSY MATT		50-70 GU 5-15 GU
Storage		The product in its original sealed packaging kept in a dry and protected place, between + 5°C and + 35°C keeps for 12 months. Keep away from frost.

The data and instructions given in this sheet, based on the best practical and laboratory experiences, are to be considered in any case indicative. Considering the different conditions of use, and the intervention of factors independent of MPM (support, environmental conditions, technical laying direction, etc.) whoever intends to use it is required to establish whether or not the product is suitable for use. Our warranty obligation is limited to the quality and constancy of the finished product for the above data, only for technical sheets accompanied by stamp and countersignature by our delegated personnel. site. Furthermore, the customer is required to verify that these values are valid for their relevant batch of product and are not superseded and/replaced by subsequent editions and/or new formulations. The data contained may vary at any time without prior notice by MPM.