

POLISTAR P 867

TWO COMPONENTS ALIPHATIC SOLVENT BASED
POLYURETHANE COLORED COAT



CHARACTERISTICS

Good **weather resistance**.

Resistant to **water, detergents, oils, fuels, salts**, cigarette burns.

Excellent **wear** resistance.

Non-slip matte finish.

Good maintenance of the **aesthetic aspect**.

Also available in **conductive** version.

No yellowing and resistance to U.V.

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

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

APPLICATION TEMPERATURE

Applicable **from +5°C to +40°C** on the substrate.

OPERATING TEMPERATURE

Operating temperature from **-25°C to +90°C**.

APPLICATION FIELDS

Anti-dust and anti-wear coating for concrete floors of:

- Workshops
- Stores
- Industries
- Offices
- Labs
- Showrooms
- Food processing areas.

Matt finish for epoxy and polyurethane **coatings**.

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SUBSTRATE PREPARATION

The **POLISTAR P 867** product can be applied as a coloured protective directly on epoxy and polyurethane coatings.

The surfaces must be **dry**, **clean** and free from **contaminants**.

On old existing coatings, correctly adhered to the substrate, a suitable mechanical preparation 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.

To allow for direct painting on dry concrete, first apply an epoxy primer such as **DUROGLASS FF4416**.

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

If applied as it is, the product gives rise to a peeled surface. If you want to obtain a softer peel, dilute the product with thinner **DILUENTE 6** up to a maximum of 10% by weight.

The product is available in the neutral converter version, which can be coloured with:

- 2.5 Kg of **SOLIDGLASS PU** colour paste.

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PRODUCT APPLICATION

POLISTAR P 867 can be applied in one or more coats by:

- Roller
- Brush
- Airless spray (as it is or diluted maximum with 10% DILUENTE 6)

The indicative consumption of **POLISTAR P 867** is 0.15-0.18 kg/m² per coat.

To obtain a more non-slip surface it is possible to add 25% by weight of glass microspheres type 70-110, calculated on the catalysed product, with an indicative consumption of pure POLISTAR P 867 of 0.17-0.19 kg/ sqm.

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 P867** 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		RAL Colours
Specific weight	UNI EN ISO 2811-1	1.30 ± 0.05 kg/l in function of the colour
Mix ratio		100 parts by weight basis 25 parts by weight of hardener
Viscosity at 20°C	ISO 2431 Cup Ø6	42" ± 15" in function of the colour
Pot life 22°C	UNI EN ISO 9514	120 ± 15 minutes
Non-volatile substances	EN ISO 3251	65,5 % ± 5 in weight 50 % ± 5 in volume in function of the colour
Theoretical consumption		150 ÷ 180 g/m ² per coat 170 ÷ 190 g/m ² per coat with microspheres
Theoretical thickness		61 ± 3 micron (per 160 g/m ²)
Curing 22°C, 50% R.H.		- dry to the touch: 2-3 hours - fully cured: 10-12 hours - walkable with caution: 48 hours - over application 16 hours - fully cured: 10 days
Adhesion strength	UNI EN 13892-8	> 3,0 MPa
Slip resistance	UNI EN 13036-4	Dry: 54
Impact resistance	UNI EN ISO 6272	4Nm
Wear-resistance	UNI EN 13892-4	0 µm
Abrasion resistance	UNI EN ISO 5470-1	Grinder H22, 1000 g 1000 cycles < 12 mg
Permeability to water vapour	UNI EN 12086	0.03 µg /(m ² ·h·Pa)
Determination of the behaviour after exposure to artificial weather	UNI EN 1062-11	No swelling, no cracking, no delamination
Resistance to severe chemical attacks	UNI EN 13529	- All hydrocarbons and engine and gear oils used: Class II - Sulphuric acid 20%: Class I - Sodium Hydroxide 20%: Class II - Aqueous solutions of organic surfactants: Class II
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.

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.