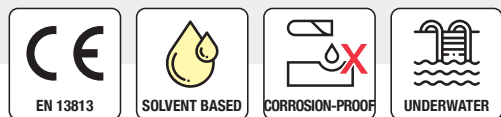


POLISTAR E

2 COMPONENT DEFORMABLE POLYURETHANE ALIPHATIC SOLVENT BASED COATING



CHARACTERISTICS

High **weather resistance**.

No yellowing over time with excellent gloss and colour retention characteristics.

Resistance to **aggressive industrial** and **marine** atmospheres.

Excellent resistance to **fresh** and **sea water**, to diluted **acid** and **alkaline** solutions, to **naphtha**, **petrol** and **kerosene** and to **mineral oils** up to **80°C**.

High **hardness** and **scratch** resistance, combined with good **flexibility** and **impact** resistance.

Repaintable after some time.

Suitable for contact with **chlorinated water**.

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

APPLICATION TEMPERATURE

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

OPERATING TEMPERATURE

Operating temperature **from -25°C to +100°C** (in air).

APPLICATION FIELDS

- **Carpentry**, trellises, metal structures in general.
- **Concrete** on bridges, viaducts.
- **Tanks, plants** and structures in the chemical industry and petrochemistry.
- **Swimming pools** with chlorinated water.
- Naval superstructures.

High resistance finish for external construction (disarm concrete, prefabricated panels, etc.).

POLISTAR E

SUBSTRATE PREPARATION

The **POLISTAR E** product can be applied as a protective agent directly on epoxy resin, polyurea or polyurethane based coatings, if resistance to chlorinated water, salt or other aggressive atmospheres is required.

- Surfaces must be **dry, clean** and **free from pollutants**.
- On old waterproofing, after cleaning with high pressure water washing, the application of **POLISTAR E** must be preceded by one of the following primers: **PRIMER 0130** or **PRIMER 0260**, **DUROGLASS FF4416**.
- In the case of **green concrete surfaces** or in the presence of **steam pressure**, the surface must be treated with a three-component epoxy primer **DUROGLASS FU BIANCO TIX** with an indicative consumption of 0.5 – 1 Kg/m² in one or two coats. And then a coat of **DUROGLASS FF 4416** must be applied with an indicative consumption of 0.2 kg/m².
- In the case of metal surfaces created with epoxy systems such as primer **DUROGLASS FF 4416**, **DUROGLASS FU 49** and **49 PF**, **DUROGLASS FU 35**, the substrate must be prepared as indicated in the technical data sheets of the relative materials.

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

The product can be diluted with 5-10% thinner **DILUENTE 6**.

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

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

POLISTAR E



PRODUCT APPLICATION

POLISTAR E can be applied in one or more coats by:

- Roller
- Brush
- Airless trowel

DUROGLASS FF 4416 can be applied with an indicative consumption of **0.10 – 0.15 Kg/m²** per coat.

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.



POLISTAR E

TECHNICAL DATA

Colour		RAL Colours
Specific weight (20°C)	UNI EN ISO 2811-1	1,15 ± 0.05 Kg/l
Mix ratio		100 parts by weight basis 30 parts by weight of hardener
Viscosity at 23°C	Cup UNI EN ISO 2431 FØ6	100" ± 30
Useful life 22°C	EN ISO 9514	3-4 hours
Non-volatile substances	EN ISO 3251	68% in weight, 53% in volume
Theoretical consumption		0.15 Kg/m ²
Theoretical thickness		70 microns
Curing 22°C, 50% R.H.		- tack free: 2 hours - fully cured: 24 hours - over application 10 hours min. - fully cured: 10 days
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.