

Product

POLISTAR E

code 6318 RAL
9295 0000

ANTI-CORROSION ENAMEL FOR OUTSIDE STRUCTURES, BASED ON POLYURETHANE WITH ALIPHATIC ISOCYANATES

Features

- Good resistance to atmospheric agents.
- No yellowing over time, with excellent conservation of brightness and colour.
- Resistance to aggressive industrial and marine environments.
- Excellent resistance to fresh and salt water, diluted acid and alkaline solutions, diesel, petrol, kerosene and mineral oils up to 80°C.
- Good hardness levels and abrasion combined with good flexibility and shock resistance.
- Can be repainted over at a later date.
- Applicable to the support from +5°C upwards.
- Operating temperature from -25°C to + 100°C (in air).

Application field

- Protection of frameworks, trellises and metal structures in general.
- Protection of concrete on bridges, viaducts, chimneys (signalling markers for aircraft) etc.
- High resistance finish for outside structures (reinforced concrete, pre-fabricated panels, etc).
- Protection of tanks, plant and structures in the chemical and petrochemical industry.
- Painting of naval superstructures.

Application

Two component product to be mixed carefully prior to use.

Easy to apply by brush, roller or airless spray, as presented or diluted by a maximum of 5-10% with DILUENTE 6 thinner.

For airless spray application, use 0.015" 0.021" nozzles and pressures of 180 bar.

Concrete: apply to surfaces in good condition, clean and dry in two coats using POLISTAR FC as primer. For damp surfaces and in counterthrust, prepare with DUROGLASS FU BIANCO TIX as described in the instructions in the technical schedule.

Steel: apply in one or two coats to DUROGLASS FU 49, DUROGLASS FF 4416, DUROLAC FF 5434.

For galvanised primers, use one of the products listed as an intermediate layer.

Wash the tools with DILUENTE 6 thinner after use.

NOTE: POLISTAR E/OM, containing oxide of mica-based or aluminate iron, is available on request.

This cannot be supplied in pale or signal-quality shades.

Technical data

Color	RAL colors
Specific weight	1.01 ± 0.1 Kg/l
Mixing ratio	100 parts in base weight 30 parts in hardener weight
Pot life at 22°C	4 hours
Viscosity at 23°C	Cup ISO 2431 Hole 6: 100" ± 30
Theoretical consumption	97-194 g/m ²
Thickness	40-80 microns
Solids	67% in weight, 53% in volume
Bonding agent	40% in weight
Hardening at 22°C, RH 50%	- dry to the touch 2 hours - hardened in depth 24 hours - over-application 12 hours minimum - completely hardened 10 days
Storage	If kept in the original sealed packs in a dry, protected place at temperatures of +5°C to +35°C, the product will keep for 12 months.

All data and prescription reported on the present data sheet are based on the best lab and practical experience and should anyhow be considered as indicative. Considering all different uses and the occurring of situations and conditions independent from MPM (substrate, climate conditions, technical management etc. Those who intend to use the product should verify whether it is suitable for the specific conditions in which it will be applied before starting. MPM's responsibility covers the quality and productions standards referring to the above listed data only. Data should also be verified for latest available version of data sheets which could be surpassed by a new version. Data may change any time without notice from MPM.