

**Product** 

## **POLISTAR E**

code 6318 RAL 9295 0000

## ANTI-CORROSION ENAMEL FOR OUTSIDE STRUCTURES, BASED ON POLYURETHANE WITH ALYPHATIC 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).

Field of application

- 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, prefabricated 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 STAR 6 thinner.

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

<u>Concrete:</u> 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, DUROLAC V HB/1 INTERMEDIO, DUROLAC FF 5434.

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

Wash the tools with STAR 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 specifications

Colour	RAL shades
Specific weight	1.29 ± 0.04 Kg/l
Mixing ratio 100 parts in base weight	
	30 parts in hardener weight

Useful lifetime at 22°C	4 hours	
Viscosity at 22°C	Cup ISO 2431 Hole 6 75" ± 15	
Theoretical	97-194 g/m²	
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Thickness	40-80 microns	
Dry residue	67% in weight, 53% in volume	
Bonding agent	40% in weight	
Hardening at 22°C, RH 50%	- dry to the touch - hardened in depth - over-application - completely hardened	2 hours 24 hours 12 hours minimum 10 days
Storage	When kept in the original sealed packs in a dry protected place at temperatures from + 5°C to + 35°C the product will keep for 12 months.	

The figures and information contained in this schedule are based on the best practical experience and laboratory testing, but should be regarded as guidelines only. Taking the conditions of use and factors outside the control of MPM into account (type of support, weather conditions, laying methods, etc), the customer should check to ensure that the product is suitable for the type of use before proceeding. Our guarantee is limited to the quality and consistency of the finished product on the basis of the information set out above, and provided the technical schedules are stamped and signed by our authorised representative. The customer should also ensure that the information is valid for the batch of product to be used, and that this has not been rendered obsolete by later editions or the introduction of new formulations. The information set out above is subject to alteration by MPM without notice.