

Product

POLISTAR E/P

cod.

ANTI-SKID AND WEAR RESISTANT PROTECTIVE COATING, FOR EXTERNAL USE, UV-RESISTANT BASED ON POLYURETHANE RESINS, WITH ALIPHATIC ISOCYANATES, MODIFIED WITH ELASTIC RESINS AND SPECIAL MINERAL AND SYNTHETIC FILLERS.



Features

- Good resistance to atmospheric agents.
- Excellent wear and impact resistance.
- Long lasting aesthetic effect.
- Can be over coated.
- Can be applied within a temperature range from +5°C to +45°C.
- Operating temperatures: -30°C - +100°C.

Application field

- Practical, coloured final protective coating for intensive car and pedestrian passable waterproofing systems.
- Compatible with systems having STARFLEX HR, STARFLEX HR-E and STARFLEX MONO.
High build coating making possible a multilayer build-up of anti-skid coatings (R11) with quartz or rubber aggregates.

Application

Two component product, to be mixed at the time of use and applied by roller or spray, diluted with 2-10% STAR 6 solvent.

For spray application, use pump actions and systems suitable for products containing glass microspheres.

The concrete surfaces should be smooth, in good condition, compact, dry and free of surface dust or debris, and should have tear resistance of > 1.5 MPa.

All surfaces, including new ones, should be subjected to preparatory abrasive dry mechanical treatment.

POLISTAR E/P should be applied on STARFLEX systems as soon as possible, (within 24 hours maximum). After this time range a specific primer DUROGLASS FF 4416, with a consumption rate of 120 g/m², (check thinning rate on TDS) should be applied before, enhancing adhesion of POLISTAR E/P.

Wanting anti-skid surfaces quartz sand 0,1-0,3 may be added to the mixed POLISTAR E/P. Product should be stirred continuously in order not to have segregation of the added aggregates.. Spray application should be avoided in such a case.

Alternatively sprinkling of quartz or specific plastic/rubbers may be carried-out on the 1st fresh coat, removing excess and after 24 hours overcoating with the 2nd coat. The cycle consists of one coat of POLISTAR FC and two of POLISTAR P867.

For damp surfaces or flooring place directly on the substrate, or when smoothing with a filling coat should be necessary, preparatory treatment with DUROGLASS FU BIANCO TIX or DUROGLASS FU RAPIDO must be used.

On direct concrete application preparation with DUROGLASS FU BIANCO TIX never makes the use of POLISTAR FC unnecessary.

Clean the tools carefully with STAR 6 solvent after use.

* tipe FORCE STIRRER from Polyplan

Technical data

Color	Transparent
Density UNI EN ISO 2811-1	1,30 ± 0,04 g/ml
Mixing ratio	100 parts in weight of base 30 parts in weight of hardener
Viscosity 22°C UNI EN ISO 2555	1000 ± 200 mPa.s
Pot life 22°C UNI EN ISO 9514	150 ± 10 minutes
Theoretical consumption	150 g/m ²
Thickness	70 µm
Dry substances EN ISO 3251	99,8 % by weight 60% by volume
Hardening 22°C, 50% U.R.	- Dry at touch 2 hours - Careful pedestrian passage 24 hours - Overapplication 12 hours - Wheeled passable 96 hours - Fully hardened 10 days
Storage	Product kept in its original, sealed packaging in dry and protected environment with temperatures between +5°C and +35°C it maintains for 12 months.



MPM Srl - Via Piemonte, 18 - 20030 Senago (MI)

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EN 13813 SR-B2,0-AR0,5-IR4

SR - massetti a base di resina sintetica

Abrasion resistance	< 3000 mg
Fire eaction	F
Hazardous substances	No release at all
Water permeability	NPD
Adjesion strength	B2,0
Impact resistance	IR4
Acoustic insulation	NPD
Phono absorption	NPD
Thermal resistance	NPD
Chemical resistance	NPD
Mechanical resistance	C70
Flexural resistance	F7
Wear resistance	AR0,5

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.