

Product

ELASTOSTAR T/1

cod. 4778 RAL
9276 0000



Features

COLOURED MULTIPURPOSE WATERPROOFING COATING BASED ON POLYURETHANE ELASTOMERS WITH EPOXY MODIFICATION. CERTIFIED FOR DRINKING WATER.

Thicknesses of up to 1000 microns may be obtained in a single layer.
Excellent elasticity and abrasion resistance.
High resistance to immersion in fresh and salt water.
Good resistance to immersion in medium-aggression waste and industrial water.
Anti-carbonating.
Good resistance to atmospheric agents and aggressive atmospheres, including the marine environment.
Can be applied to the support at + 5°C and over.
Operating temperature from -30°C to +90°C (in air), or +35°C (in immersion).

Field of application

Protection of concrete structures, including bridges, viaducts, barriers and kerbs.
Waterproof elastic coating for concrete structures subject to abrasive action, including channels, piping, facings upstream of dams, etc.
Elastic coating for water purification systems and sewage collectors.
Waterproofing of roofs and terraces, top surfaces of dams, walkways and ramps, suitable for traffic movement.

Application

Two part product to be mixed immediately prior to use with a mechanical agitator until completely smooth.
ELASTOSTAR T/1 may be applied by brush or airless spray, diluting with 5-10% of STAR 21 thinner.
The airless spray device should have a piston pump with compression ratio of 60:1 and 0.021"-0.025" nozzles.
The pressure at the nozzle should be no less than 200 bar.
The product is applied in one or two layers on compact concrete surfaces in good condition which have been suitably prepared and cleaned in advance.
The suitable primers are DUROGLASS FU BIANCO TIX or DUROGLASS FF 4416, depending on requirements, and following the methods described in the technical notes for those products.
On cement surfaces subject to water counter-thrust and designed to be immersed in water following careful preparation with DUROGLASS FU BIANCO TIX and DUROGLASS FU MALTA, always apply a coat of DUROGLASS FF 4416 with consumption of 150 g/m².
The sealants to be applied beneath structures immersed in water should be formed exclusively with STARMASTIC SK 13 or STARMASTIC P 94.
For anti-slip waterproofing treatments, the following cycle should be adopted:
- preparation and primer
- ELASTOSTAR T/1, consumption 1.5 Kg/m²
- ELASTOSTAR T/1, consumption 0.5 Kg/m²
- Saturation on wet product with 0.3-0.9 mm quartz
Immediately after use, wash the tools with STAR 21 thinner.

Technical specifica-

Colour	see colour chart
Specific weight	1.21 ± 0.02 Kg/l
Mixing ratio	100 parts base in weight 16.5 parts hardener in weight
Viscosity at 20°C	18,000 ± 4,000 mPa.s
Useful lifetime at 22°C	60 minutes
Theoretical consumption	405 - 1350 g/m ²
Thickness	300-1000 microns
Dry residue	92% in weight, 89% in volume
Hardening at 22°C, 50% RH	- dry to the touch 10 hours - hardened in depth 24 hours - over-application 16 hours minimum, 48 hours maximum - completely hardened 10 days
Lengthening to breakage* UNI EN 12311-2	150% ± 10
Dry residue	92% in weight, 89% in volume
Traction resistance* UNI EN 12311-2	> 6 MPa
Tearing resistance* UNI EN 12310-2	> 2 MPa
Shore hardness A ASTM D 2240*	> 80
Resistance to abrasion	Los Angeles modified 10,000 revs <65 mg/100 cm ²
Adhesion to concrete ASTM D 4541	> 3.5 MPa or breakage of concrete
Storage	in its original sealed packaging, kept in a protected, dry place at temperatures from + 5° C to + 35°C, the product will keep for 6 months.

* 2000 micron sheets hardened for 20 days at 22°C + 48 hours at 45°C

The information and instructions set out in this schedule are based on the best practical and laboratory experience, but should in any case be regarded as approximate. Given the different conditions of use and the existence of factors that MPM has no control over (support, environmental conditions, technical management of the application operations, etc), the user has to ensure that the product is suitable for the type of application. Our guarantee obligations are therefore limited to the quality and consistency of the finished product, and apply exclusively to the information set out above. This schedule replaces and cancels the previous ones. The information it contains may change at any time without notice. Updates can be found on www.mpm srl.com