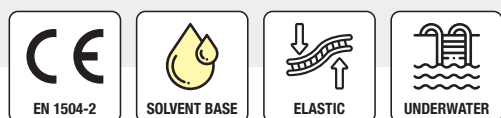


ELASTOSTAR T/1

2 COMPONENT WATERPROOFING MULTI-PURPOSE ELASTIC-POLYURETHANE SOLVENT BASED COATING



CHARACTERISTICS

Excellent **elasticity** and **scratch** resistance.

Good resistance to **industrial waste waters**.

Good resistance to **sea water immersion**.

Possibility of obtaining thicknesses of **up to 1000 microns** in a single layer.

Good resistance to **weather** and aggressive atmospheres, including **marine ones**.

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

It meets the requirements of the **1504-2** standard for coatings: product for protection against penetration risks 1.3, humidity control 2.2, chemical resistance 6.1, increase in resistivity 8.2.

APPLICATION TEMPERATURE

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

OPERATING TEMPERATURE

Operating temperature from **-30°C to +90°C** in air
(+35°C immersed).

APPLICATION FIELDS

- **Elastomeric protection** of concrete structures: bridges, viaducts, barriers, curbs.
- **Waterproof elastic coating** of concrete works subject to abrasive actions: channels, pipes, facings upstream of dams, tanks, etc.
- Elastic lining for **sewage treatment plants** and sewage collectors, dome soffits in biogas plants.
- **Elastic waterproof coating** of concrete works for water containment: fire water tanks etc..
- Walkable waterproofing of roofs and terraces, walkways.

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SUBSTRATE PREPARATION

- The surfaces to be treated must be **sound, compact, free from dust and pollution** from foreign substances (dirt, oil, grease, release agents, etc.).
- The **cement substrate**, after adequate mechanical preparation, must have a surface resistance to tearing greater than 1.5 MPA, measured using suitable instruments.
- In the case of **ceramic substrates** or **old resinous coatings**, after adequate mechanical preparation, their correct adhesion to the substrate and the absence of traces of pollutants must be checked.
- Damaged **joints, holes** and other **irregularities** must be adequately levelled and repaired with **STARCEMENT 385** type epoxy grout, or **DUROGLASS P1/2** type epoxy mortar suitably loaded with quartz or **ADDENSANTE NT2**.
- In the case of **vertical surfaces** (bathtubs, swimming pools, tanks, etc..) the preparation can be carried out by dry or wet sandblasting, or high pressure hydro-washing (300 bar).

On green concrete substrate: first use epoxy primer such as **DUROGLASS P2 PRIMER** or **DUROGLASS P1/2**, referring to the respective technical data sheets for application methods.

Roughen the surface before laying. The choice of the mechanical preparation method (sandblasting, sanding, smoothing, shot peening or milling) is to be chosen on the basis of the conditions of the substrate and the type of coating to be used.

Always apply a coat of **DUROGLASS FF 4416** with a consumption of 150 g/m².

PRODUCT PREPARATION

Two-component product to be mixed thoroughly before use with a low-speed helical mechanical stirrer, operating as follows:

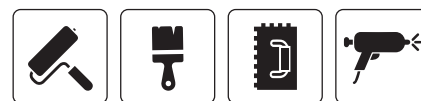
- Pour component B with component A and mix until completely homogenized.

DILUTION AND COLOUR

The product can be diluted with 5 to 10% thinner **DILUENTE 21**.

The product is available already coloured in RAL colour.

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PRODUCT APPLICATION

DUROGLASS T/1 can be applied in one or more coats by:

- Roller
- Brush
- Trowel
- Airless spray (with 5-10% of thinner **DILUENTE 21**, with piston pump with 60:1 compression ratio using 0.021"-0.025" nozzles at a pressure not lower than 200 bar)

Based on the desired thickness, the **ELASTOSTAR T/1** product can be applied with an indicative consumption of **0.5 to 1.5 kg/m²** per coat.

In order to obtain non-slip waterproofing, the following cycle must be:

- preparation and primer
- ELASTOSTAR T/1 consumption 1,5 Kg/m²
- ELASTOSTAR T/1 consumption 0,5 Kg/m²
- Saturation on fresh with quartz 0.3-0.9 mm

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 21** after use.

For more information regarding the precautions for use, please refer to the safety data sheet.



Green
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TECHNICAL DATA		
Colour		Colour palette
Specific weight	UNI EN ISO 2811-1	1,15 ± 0.05 Kg/l
Mix ratios		100 parts by weight basis 16.5 parts by weight of hardener
Viscosity at 20°C	EN ISO 2555	19,000 ± 3,000 mPa.s
Pot life 22°C	UNI EN ISO 9514	55 ± 10 minutes
Theoretical consumption		405 - 1350 g/m ²
Theoretical thickness		300-1000 micron
Non-volatile substances	UNI EN ISO 3251	92% in weight, 89% in volume
Curing at 22°C, 50% R.H.		- tack free: 10 hours - fully cured: 24 hours - over application 16 hours min, 48 hours max - fully cured: 10 days
Permeability to carbon dioxide	UNI EN 1062-6 (method A)	SD > 50 m
Permeability to water vapour	UNI EN ISO 7783-2	Sd < 5 m
Capillary absorption and water permeability	UNI EN 1062-3	w < 0.1 Kg/m ² ·h ^{0,5}
Elongation to breakage*	UNI EN 12311-2	150% ± 10
Tensile strength	UNI EN 12310-2	> 6 MPa
Peel strength*	UNI EN 12310-2	> 2 MPa
Crack bridging	UNI EN 1062-7	Method A, static: A5 (23°C) Method B, dynamic: > B 4.1 (23°C)
Shore A hardness	EN ISO 868*	> 80
Resistance to severe chemical attacks	UNI EN 13529	Sulphuric acid 20% Class I and II Sodium hydroxide 20% Class I and II
Storage		The product in its original sealed packaging kept in a dry and protected place, at temperatures between +5°C and +35°C it is conserved for 6 months.

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

CR10: Sulphuric acid (20%)

CR11: sodium hydroxide (20%)

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.