

ELASTOTAR PRO

ONE-COMPONENT BITUMINOUS LIQUID
WATERPROOFING IN WATER EMULSION



DESCRIPTION

One-component waterproofing based on special bitumen, polymers and additives in water emulsion. It is stable against atmospheric agents, freeze-thaw cycles, thermal shocks and has excellent durability.

FIELDS OF APPLICATION

Specially developed product for waterproofing and protection of walls against the ground and foundations, waterproofing of substrates before laying desulphurised cement screeds or floating floors, restoration of old, deteriorated bituminous membranes before overlaying screeds, thermal insulation layers, etc.

Applicable as waterproofing for coverings, roofs and solar slabs.

If left to sunlight, we recommend protection with ELASTOFLEX PROTECT.

It can be used on various substrates, including:

- Concrete;
- Cementitious substrates;
- Bricks;
- Fibrocement;
- Metal, also oxidisable;
- Smooth or slated bituminous membranes.

PACKAGING

5 or 20 kg plastic buckets.

CONSUMPTION

1,5-1,6 kg/m² in two coats without reinforcement.

1,8-2,0 kg/m² in two coats with non-woven fabric in between.

CERTIFICATIONS

ELASTOTAR PRO complies with UNI EN 1504-2: Concrete Surface Protection Systems (DoP n° 561).

ISO 9001 certified quality management system (Certificate No. IT.17.0227.01.QMS).

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CHARACTERISTICS AND BENEFITS

- Easy to apply;
- Excellent resistance to water stagnation;
- Operating temperature from +80°C to -20°C.

SUBSTRATE PREPARATION

Thoroughly clean the substrate to remove: dust, brittle parts, any foreign or non-stick substances. Ensure that the surface to be treated is free of excessive humidity (more than 5%), which could cause blistering and detachment.

For sealing wall/floor corners, drains, vents, etc., use ELASTOBAND 10.

Bituminous membranes must have been oxidised for at least 180 days.

PRODUCT PREPARATION

One-component, ready-to-use product that does not require dilution. Mix briefly before use.

METHOD OF APPLICATION

Apply the product on a suitably prepared substrate in two coats by means of a short-bristle roller or brush, with a total consumption of 1,5-1,6 kg/m², taking care to distribute the product evenly over the entire surface. Wait at least 24 hours between each application.

In the case of substrates subject to tension (high surfaces, bituminous membranes, etc.) apply the product as described below:

Apply the first coat using a short-bristle roller with a consumption of 1,0-1,1 kg/m² evenly over the entire surface.

On fresh product, apply 60 g/m² polypropylene reinforcing fabric, helping incorporation with the roller by adding, if necessary, additional product to help complete incorporation of the fabric.

The fabric should be overlapped by 10 cm on the side and 15 cm at the top. To ensure adhesion along the overlap, apply additional product to the edge of the fabric already laid, before unrolling the new layer of non-woven fabric.

Wait until it dries and apply the second coat, with a consumption of approx. 0,8-0,9 kg/m².

It is recommended to cross the layers for even distribution of the product.

In vertical flaps and walls, apply the product in two coats without the interposition of the reinforcement fabric.

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CURING TIME

The curing time of ELASTOTAR PRO STD is influenced by the surrounding temperature.
For drying and curing times (at 20°C), please refer to the below table.

Second coat application	24 hours
Waterproofing after second coat	24 hours
Recoating with ELASTOFLEX PROTECT after second coat	48 hours
Complete curing	7 days

WARNINGS

- Do not use any water and/or solvents;
- Do not add additives or fillers;
- Do not use if the container is damaged;
- Do not apply the product in thick coats;
- Protect from water, rain, fog and snow in the first 24 hours after each application step;
- Do not leave under direct sunlight;
- In case of application on walls against the ground, protect with HDPE embossed membrane;
- Place a 'piece' of bituminous membrane under the feet.

CLEANING OF TOOLS

The equipment used for the preparation and application of ELASTOTAR PRO must be cleaned immediately after use with water. After hardening of the product, removal may only be carried out mechanically.

HEALTH AND SAFETY

For information on safety regulations, hazard and precautionary statements, please refer to the most recent safety data sheet, by requesting it at:

ufficiotecnico@apsebg.it

STORAGE

Shelf life 12 months, if stored in original packaging, in a dry, moisture-free place. Store at temperatures between +5°C and +35°C. It is frost sensitive.

DISPOSAL

Dispose of contents and/or container in accordance with local regulations.

**PRODUCT TECHNICAL DATA****PHYSICAL CHARACTERISTICS (at +20°C)**

FEATURE	STANDARD	RESULT
Appearance	-	Liquid
Colour	-	Brown when fresh black when dry
Specific weight	EN ISO 2811-1	$1,15 \pm 0,05 \text{ g/cm}^3$
Viscosity	EN 8490	$18000 \pm 2000 \text{ cps}$

PRODUCT CHARACTERISTICS ACCORDING TO EN 1504-2

FEATURE	STANDARD	RESULT
Water vapour permeability	ISO 7783	$5\text{m} \leq S_D \leq 50 \text{ m}$
Capillary absorption	EN 1062-3	$W < 0,1 \text{ kg/m}^2 \cdot \text{h}^{0,5}$
Direct tensile adhesion (without traffic)	EN 1542	$\geq 1,0 \text{ N/mm}^2$
Direct tensile adhesion after thermal shock cycles (without traffic)	EN 1542	$\geq 1,0 \text{ N/mm}^2$

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