

ELASTOFLEX ACR PRO

ONE-COMPONENT LIQUID WATERPROOFING
AGENT BASED ON ACRYLIC RESINS IN WATER
DISPERSION



DESCRIPTION

A one-component coloured waterproofing and protective coating based on special acrylic resins and additives in water dispersion. It is stable to UV rays, weathering, freeze-thaw cycles, thermal shocks and has excellent durability.

FIELDS OF APPLICATION

Specially developed product for waterproofing and protection of roofs, roofing, solar slabs, guttering, trapezoidal sheet metal roofing. It is also suitable for repairing old, deteriorated bituminous membranes (both smooth and slated). Suitable for wide and even flat surfaces.

It can be used on various substrates, including:

- Concrete;
- Cementitious substrates;
- Bricks;
- Wood;
- Fibre cement;
- Metal even oxidisable;
- Smooth or slated bituminous membranes (oxidised for at least 180 days).

PACKAGING

5 and 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 using non-woven fabric in between.

CERTIFICATIONS

ELASTOFLEX ACR PRO complies with
UNI EN 1504-2: Concrete Surface Protection Systems
(DoP No. 556).

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

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CHARACTERISTICS AND ADVANTAGES

- Easy to apply;
- Excellent resistance to water stagnation;
- Excellent UV resistance;
- No finishing required;
- 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.

For substrates exposed to tension (high surfaces, bituminous membranes, etc.) apply the product as follows:

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

On fresh product, spread 60 g/m², polypropylene reinforcing fabric, assisting incorporation with the roller, adding more product if necessary 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.

Allow to dry and apply the second coat, with a consumption of approximately 0,8-0,9 kg/m². Again, it is advisable 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 ELASTOFLEX ACR PRO 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 2nd coat	24 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.

CLEANING OF TOOLS

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

HEALTH AND SAFETY WARNINGS

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	-	Coloured liquid
Specific weight	EN ISO 2811-1	1,40 ± 0,05 g/cm ³
Viscosity	EN 8490	18000 ± 2000 cps

PRODUCT PERFORMANCE ACCORDING TO EN 1504-2

FEATURE	STANDARD	RESULT
Permeability to water vapour	ISO 7783	5m ≤ S _D ≤ 50 m
Capillary absorption	EN 1062-3	W < 0,1 kg/m ² .h ^{0.5}
Direct tensile adhesion (without traffic)	EN 1542	≥ 1,0 N/mm ²
Direct tensile adhesion after thermal shock cycles (without traffic)	EN 1542	≥ 1,0 N/mm ²

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