APSE®
floor products since 1964

N. 556 - REV. 11/2026

# 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 the following standards:
**UNI EN 1504-2**: Concrete surface protection systems (DoP No. 556).
**UNI 11928-1**: liquid-applied waterproofing products (exposed, walkable)
**COOL ROOF technology**: the white colour is certified with an SRI of 94 (Test Report No. 426804)
ISO 9001 certified quality management system (Certificate No. IT.17.0227.01.QMS).
APSE S.r.l. is an active member of CONPAVIPER

ISO 9001 certiw CERTIFIED

CE EN 1504-2

UNI 11928-1
A vista – praticabile

## 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.
Use APSEGOM to seal the joints.
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 subject to stress (raised surfaces, bituminous membranes, tiles, etc.), apply the product as described below:

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 |

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## PRODUCT PERFORMANCE ACCORDING TO EN 1504-2

| CHARACTERISTIC | STANDARD | RESULT |
|---|---|---|
| Permeability to water vapour | ISO 7783 | Class I: Sd < 5m |
| Capillary absorption | EN 1062-3 | W = 0.09 kg/m$^2$.h$^{0.5}$ |
| Direct tensile adhesion | EN 1542 | ≥ 0.8 N/mm$^2$ |
| Direct tensile adhesion after thermal shock cycles (without traffic) | EN 1542 | ≥ 0.8 N/mm$^2$ |

## PRODUCT CHARACTERISTICS ACCORDING TO UNI 11928-1

| CHARACTERISTIC | STANDARD | RESULT |
|---|---|---|
| Reaction to fire | EN 13501-1 | Class F |
| Waterproofing (60 kPa) | EN 1928 | No water penetration |
| Waterproofing after heat ageing (EN 1062-11) | EN 1928 | No water penetration |
| Water vapour permeability | ISO 7783 | Class I: Sd < 5 m |
| Direct tensile adhesion | EN 1542 | ≥ 0.8 N/mm² |
| Direct tensile adhesion after freeze-thaw cycles (EN 13687-3) | EN 1542 | ≥ 0.8 N/mm² |
| Impact resistance (on concrete) | EN ISO 6272-1 | Class I: ≥ 4 Nm |
| Static puncture resistance | EN 12730 | ≥ 50 N |
| Dynamic crack bridging at +23°C | EN 1062-7 Method B | Class B2 |
| Dynamic crack bridging at –20°C | EN 1062-7 Method B | Class B1 |
| UV + water spray ageing | EN ISO 4892-3 Cycle 3 | PASSES (No blistering, cracking or flaking) |

## PRODUCT CHARACTERISTICS IN SERVICE

| | | |
|---|---|---|
| Elongation at break | ASTM D 2370 | ≥ 600% |
| Tensile strength at break | ASTM D 2370 | ≥ 0.70 N/mm² |
| Elastic modulus | ASTM D 2370 | 1.36 N/mm² |
| Water absorption after 7 days of immersion | ASTM D 471 | ≤ 16% |

## SOLAR REFLECTANCE – WHITE COLOUR

| CHARACTERISTIC | STANDARD | RESULT |
|---|---|---|
| **Solar Reflectance Index (SRI)** | ASTM E1980-11<br>ASTM C1371-15<br>ASTM E903-20<br>ASTM G173-23 | **94** |
| Solar reflectance (ρe) | | 0.76 |
| Solar absorptance (α) | | 0.24 |
| Thermal emittance (ε) | | 0.91 |

Tests carried out by the testing laboratory “Istituto Giordano”, Test Report No. 426804.

The data given above are information obtained from our best technical knowledge, application, and research experience. However, since we are unable to intervene directly in site conditions and work execution, they represent general indications that do not bind APSE S.r.l. in any way. - V&V Group. The information given does not relieve the purchaser of his responsibility to personally test our products as to their suitability with regard to their intended use. The customer is also responsible for verifying that this data sheet is valid for the batch of product of interest to him and is not outdated as superseded by later editions. If in doubt, contact our Technical Department in advance. APSE S.r.l. - V&V Group reserves the right to make technical changes of any kind without prior notice. This revision cancels and supersedes any previous revision, all under the continuous verification of the data according to the new current Standards and our ISO 9001 management system. Please feel free to check the most up-to-date version of this Data Sheet on our website: www.apse.it



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