

Duraproof AC 300

Premium, elastic, acrylic waterproofing coating

Description

Duraproof AC 300 is a premium, elastic, waterproofing coating based on 100% acrylic UV-cross-linking resins. Offers absolute water impermeability, protecting walls against rain damage. Features high elasticity and crack-bridging ability, making it ideal for surfaces prone to hairline cracks up to 1 mm. Maintains its elastic properties over a temperature range of -20°C up to +80°C. Being vapor-permeable, it allows building breathability, while preventing ingress of CO₂ and other aggressive agents. Provides excellent opacity and surface coverage, as well as strong adhesion to the substrate and outstanding resistance to weathering and UV radiation. Abrasion resistant to light foot traffic.

The white is certified as Heat Reflective Cool Paint.

Certified according to EN 1504-2 and classified as a coating for surface protection of concrete.

Fields of application

Duraproof AC 300 is suitable for a variety of new or old exterior surfaces, including render, exposed concrete, brickwork, asbestos cement, gypsum board, etc.

Applicable also over bituminous coatings, bituminous membranes and polyurethane layers for protection against sunlight. It is also recommended for use in interior spaces where frequent cleaning and high resistance are required, such as kitchens, bathrooms, garages, hospitals, industrial units, etc.

Technical Data

Form	Viscous Liquid
Colour	White, grey, ivory (variety of colours are available)
Volume Solids	50 ± 2 %
Viscosity (Poise) (EN ISO 2884-2)	14 -16
pH	8-9.5 at +20°C

Density (EN ISO 2811-1)	1.15 ± 0.05 kg/l
Waterproofing (DIN 1048-5)	7 atm
Water vapour permeability (EN ISO 7783:2011 V2 medium, 0.14 < Sd < 1.4 m)	Sd = 0.29 ± 0.05 m
CO ₂ Permeability (EN 1062-6 requirement: Sd > 50 m)	Sd = 177 ± 10 m
Adhesion Strength (EN 1542, requirement for flexible systems with no traffic: > 0.8 N/mm ²)	≥ 2.2 N/mm ²
Solar Reflective (White) (ASTM E903-96) (ASTM G159-98)	89%
Infrared emittance coefficient (ASTM C1371-04a)	≥ 0.86

Direction to use

Surface Preparation

The substrate should be clean, dry and free of grease, dust and loose materials.

- Cracks or joints should be filled with ELASTOSEAL AC sealant or ELASTOSEAL PU 25 Sealant.
- Imperfections in concrete should be repaired with the polymer-modified mortar FLEXCEM GP or a cement mortar improved with DURAPROOF SB40
- Plaster repairs are carried out with DURAPLAST.

Priming with either DURAPROOF AC PRIMER or 40% water dilution of **Duraproof AC 300** should follow, with a consumption of 100-200 g/m², depending on substrate absorbency. ACRASEAL 50 is well-suited for stabilization of loose or crumbly plasters.



Application

Duraproof AC 300 is used as is or thinned with water up to 5%. It should be thoroughly stirred before application. It is applied with roller, brush or airless spray in two coats. The second coat follows after first one has dried. In cases of severe, isolated cracks, **Duraproof AC 300** may be reinforced along the crack with a 10 cm wide polyester fleece strip (100 g/m²).

In cases of multiple cracks, **Duraproof AC 300** may be fully reinforced with the same polyester fleece, 100 cm wide.

Cleaning

Remove as much paint as possible from application tools before cleaning. Clean tools thoroughly with water and detergent immediately after use.

Coverage

Duraproof AC 300 covers 1.8 – 2.0 m²/kg per coat, on previously prepared surfaces.

Packaging

4kg, 10kg and 20kg plastic pails.

Shelf life & storage

12 months from production date if stored in original, unopened packaging, in temperature between +5°C and +35°C. Protect from direct sun exposure and frost.

Health & safety

Avoid direct contact with this product. Use of safety glasses, rubber gloves, and protective clothing is recommended. If contact occurs, wash affected areas with mild soap and water. Keep product out of reach of children.

Refer to Safety Data Sheet for complete health and safety information.

Notes

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