

ACRYLINE ELASTIC

Product description

ACRYLINE ELASTIC is an optimum quality water-based paint for exterior vertical use. Main features are Acrylic 100%, waterproofing, elastic, internal crosslinked and UV crosslinking binder. Characterised by high elasticity and the ability to hire line crack bridging up to 1mm, giving also absolute waterproofness against rainwater. It retains film elasticity through time over a temperature range between -25 °C and 80°C and harsh weather conditions. It protects from CO₂ aggression to concrete and also features excellent opacity and surface coverage with great workability, while applying easily and flowing perfectly. Also offers very good adhesion to older and new surfaces, giving extremely high weather resistance and a long-life film.

Technical properties

Color: White and selected shades through THE XRO.MA COLOR SYSTEM.

Density: 1.35 ± 0.05 g/ml
(EN ISO 2811-1)

Viscosity: 115 ± 5 KU
(ASTM D 562)

pH: 8-9.5
(EN ISO 19396-1)

Water Vapor Permeability: Sd=0.31±0.05 m
(EN ISO 7783, 0.14 <Sd<1.4, medium class II)

Water Permeability : W=0.01 ± 0.02 kg. / m²h^{0.5}
(EN ISO 1504-2. W ≤ 0.10, Low, class III)

Adhesion: ≥2.50 MPa
(EN ISO 4624)

Gloss value: < 20, semi matt
(EN ISO 2813: 10 <gloss<60, at 60°)

Opacity: ≥ 97.5%
(EN ISO 6504- 3) (consumption ≥10 m²/l)

Whiteness: ≥ 88
(EN ISO 6504- 3)

Wet scrub resistance: CLASS 1
(EN ISO 11998: <5 µm in 200 wash cycles)

Touch dry: 1-2 hours (+23°C)

Time to repaint: 5-6 hours (+23°C)

Substrate Preparation

ACRYLINE ELASTIC is suitable to be applied on older and new exterior surfaces like cement boards, plasters, concrete, asbestos, brick work,

wood etc. It can be applied over bitumen coatings and membranes or other coatings surface for protection against UV after their priming with ACRYLIC PRIMER. Substrate should be clean and free of loose materials or dust and grease or oily materials that can create lower adhesion. Any other cracks or voids on the substrate should be filled with acrylic sealant or adequate products. Application of Acrylic Primer diluted with water to 1:3 till 1:4 follows as primer. Otherwise in case of a very loose material old paint or high dust substrate a Micronized Acrylic Primer is suggested for use after a 50 % dilution with water. A solvent based primer in a 100% dilution with white spirit is also suggested. Depending on the absorption of substrate a consumption 100-200 gr/m² of diluted primer is recommended. In case the surface is in good condition from older application with same type/ quality of paint the priming stage could be avoided.

Products Application

ACRYLINE ELASTIC is diluted with potable water up to 5 % and stirred smoothly. It is applied in 2 layers and the best result is managed with a consumption of 10 m²/lt per layer.

In case of bigger cracks in substrate it is suggested to use polyester fleece as a reinforcement along the cracks and in this case one more layer is necessary for better adhesion and covering.

Rolls, brushes and airless guns might be used for product applications and should be cleaned with water and detergents immediately after application.

Application of the product should be avoided if temperature is above or lower than 5-35 °C and humidity exceeds 80 % due to probable effect on product properties.

Packaging

ACRYLINE ELASTIC is supplied in containers of 0.75lt, 3 lt, 10 lt.

Shelf Life -Storage Conditions

The product has a shelf life of 24 months in tight closed canisters and should be stored between 5-35°C, also avoid exposure of packaging to direct sunlight and frost.

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Volatile Organic Compounds

According to Directive 2004/42/ CE (Annex II, table A), the maximum allowed VOC content for

the product subcategory c, type WB is 40 g/l (2010) for the ready-to-use product. The ready-to-use product contains $VOC \leq 10$ g/l.

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The technical information and instructions supplied in this datasheet are based on the knowledge and experience of the Department of Research and Development of our company and on results from long-term applications of the product in practice. The recommendations and suggestions referring to the use of the product are provided without guarantee, since site conditions during the applications are beyond the control of our company. Therefore, the user is responsible for confirming that the chosen product is suitable for the application. Number /date of issue 01/ 06-03-2023.