

# Acrisol

## Description

Easy-to-apply quartz acrylic-siloxane paint, which stands at the top of the range of traditional outdoor emulsion paints. Particularly resistant to any type of atmospheric or chemical attack. Enriched with anti-mould additive, it consequently has excellent resistance to the formation of mould and algae. It represents the ideal alternative to traditional mineral paints, compared to which it is characterized by significant ease of use and application, perfect adhesion to various substrates, colour stability over time. Moreover, the siloxane component provides low dirt pick-up, good water repellence and resistance to atmospheric agents. The high breathability favours significant resistance to humidity, creating a barrier against rain. Overpainting issues, typical of some siloxane coatings, are drastically reduced. The product conforms to the standard UNI EN ISO 1062-1.

## Uses

Particularly indicated for works on buildings of historical and/or architectural value.

## Surface preparation

New mural surfaces: ensure that the surface has seasoned for at least 4-6 weeks from the application of the last coat of plaster. Accurately clean the surface from any trace of dust, oily residues and plaster ridges. Prime with SOLVEX appropriately diluted or, if the choice for a solventborne primer is to be discarded, prime with CLK ensuring compliance with the Technical Data Sheet.

Painted mural surfaces: remove poorly-adhering parts, dust and traces of dirt. On decaying surfaces (algae, moss, saline efflorescence, severe capillary humidity, et cetera), perfect adhesion of the product to the substrate cannot be guaranteed. In such cases, it is necessary to reclaim the substrate before application. Prime with SOLVEX or, if the choice for a solventborne primer is to be discarded, prime with CLK ensuring compliance with the Technical Data Sheet.

Possible rain within 48 hours from the application of the product may impair the result.

**NB** In case of particularly chalking surfaces, or treated with gypsum-based plasters, before applying the finish coats wait for complete seasoning (15-30 days in ideal environmental conditions), then prime with SOLVEX appropriately diluted.

## Application

Apply at least 2 coats of ACRISOL by brush, roller or spray. Allow at least 18 hours from the primer coat, and at least 8 hours between the 1<sup>st</sup> and the 2<sup>nd</sup> coat of paint.

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Apply at temperatures between 5°C and 30°C. Do not apply on hot or ice-cold surfaces, nor exposed to sun, in presence of strong wind, in imminence of rain or with high relative humidity. Mix well before use.

## Dilution

Add 20-30% of water for the 1<sup>st</sup> coat, 15-20% of water for the 2<sup>nd</sup> coat.

## Cleaning tools

With water immediately after use.

## Storage

24 months in sealed container, away from sources of heat, in a cool and ventilated place, protected from frost.

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## Technical data

PRODUCT	Quartz-based acrylic-siloxane paint
SPECIFIC WEIGHT	1,570 ± 0,050 kg/l
VISCOSITY	20000 ± 2000 cP Brookfield at 23°C
pH	8-9
GLOSS	Matt (<10 g.u. 85°)
COLOUR	White, <i>palette</i> tones
RECOMMENDED THICKNESS	60-70 dry µm for each coat
RECOMMENDED COATS	2 coats
RECOAT TIME	8-10 hours
APPLICATION METHOD	Brush, roller, spray
THEORETICAL YIELD	4-5 m <sup>2</sup> /l for 2 coats
CAPILLARY WATER ABSORPTION	w=0,040 kg/(m <sup>2</sup> ·h <sup>0,5</sup> ) <i>According to UNI EN 1062-3, the coefficient must be &lt;0,1 kg/(m<sup>2</sup>·h<sup>0,5</sup>)</i>
WATER VAPOUR PERMEABILITY	Sd=0,0642 m(Class V1) <i>According to UNI EN 7783, the coefficient must be &lt;0,14m</i>
HEAT/MOISTURE TRANSFER (KÜNZEL MODEL)	Sd·W24=0,104 kg/(m·h <sup>0,5</sup> ) <i>According to DIN 18550, the coefficient must be &lt;0,2 kg/(m·h<sup>0,5</sup>)</i>
TOUCH-DRY (23°C)	1-2 hours
DEEP-DRY (23°C)	18-24 hours

### REV 1/2025

The aforementioned technical notions regarding the application and correct use of the product do not imply liability of Alcas Italia S.r.l. for use and application of the products themselves. Due to the unpredictable variability of application conditions, the USER must verify with direct tests the suitability of the product for each peculiar use. We reserve the right to modify the content of this document, without notification. As soon as a new version of these technical data sheet becomes available, this one won't be valid any longer.

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