

# Silopaint

## Description

Siloxane-based outdoor paint, characterized by high permeability to water vapour, good water repellence and low water absorption. With a matt finish, it gives the substrate onto which it is applied low dirt pick-up and excellent resistance to the weather and to the formation of algae and mould.

## Uses

It is specific for the decoration of historic façades that require high protection and low resistance to vapour diffusion.

## Surface preparation

New mural surfaces: ensure that at least 4-6 weeks of seasoning have passed from the application of the top layer of plaster. Accurately clean the surface from any trace of dust, oily residues and plaster ridges. Prime with 1 coat of SILOPAINT FISSATIVO.

Painted mural surfaces: remove poorly-adhering parts, dust and traces of dirt. On decaying surfaces (algae, moss, saline efflorescence, severe capillary humidity), 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 1 coat of SOLVEX.

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

**NB** In case of particularly chalking surfaces, 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 SILOPAINT by brush or roller. Allow at least 12 hours from the coat of primer SILOPAINT FISSATIVO; allow at least 18 hours if primer SOLVEX is employed. Between coats of paint, allow at least 8 hours.

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.

### Alcas Italia srl

head office  
via A. Moro, 29  
81031 Aversa (CE)  
PI 03613710619  
SDI 5RU082D

production plant  
Zona Asi Aversa Nord  
81032 Carinaro (CE)  
T +39 081 502 6184  
info@alcasitalia.it | www.alcasitalia.it

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## 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.

## Technical data

PRODUCT	Siloxane-based outdoor paint
SPECIFIC WEIGHT	1,540 ± 0,050 kg/l
VISCOSITY	19000 ± 2000 cP Brookfield at 23°C
pH	7-9
COLOUR	White, <i>palette</i> tones. <b>Compatible only with dispersions of inorganic pigments (iron oxides, chromium oxides, et cetera)</b>
RECOMMENDED THICKNESS	50-60 dry µm for each coat
RECOMMENDED COATS	2 coats
RECOAT TIME	8-10 hours
APPLICATION METHOD	Brush, roller
THEORETICAL YIELD	5-6 m <sup>2</sup> /l for 2 coats
CAPILLARY WATER ABSORPTION	W24=0,48 kg/(m <sup>2</sup> ·h <sup>0,5</sup> ) According to DIN 52617, the coefficient must be <0,5 kg/(m <sup>2</sup> ·h <sup>0,5</sup> )
WATER VAPOUR PERMEABILITY	Sd=0,14 m According to DIN 52615, the coefficient must be <2 m
HEAT/MOISTURE TRANSFER (KÜNZEL MODEL)	Sd·W24=0,067 kg/(m·h <sup>0,5</sup> ) According to DIN 18550, the coefficient must be <0,2 kg/(m·h <sup>0,5</sup> )
TOUCH-DRY (23°C)	1 hours
DEEP-DRY (23°C)	12-18 hours

### REV 1/2024

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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