

ACRIL SILOX



Permeable to water vapour

Excellent breathability and water repellency

Resistant to alkali and to the weather



Codice

0876

Description

Paint in emulsion based on acrylic resins modified with silicone resins and quartz flour. It has the properties of mineral and synthetic paints.

Use

This paint is used for the protection of surfaces prepared with lime or cementitious plasters, when we want an excellent weather resistance combined with a good breathability and water repellency. It adheres well even on old paints on condition that they are well adherent.

Appearance of the film

Matt

Color

White - color chart

Components

1

Hardening

Physical hardening through evaporation of water and union of the polymer

Specific weight

Da 1,360 - 1,410 gr/m

Volume of solids	45,5 %
VOC	12 gr/ liter
Minimum thickness	80 microns
Estimated yield	5.6 sqm /liter for a thickness of 80 microns dry
Flash point	Component A > 114°C
Capillary Absorption	DIN 52615: Sd=0,14 m
Adhesion	ISO 2409: Excellent
Chalking	ISO 4628-6: Excellent
Temperature resistance	Max 60°C
Permeability to water	ASTM D 1653-72: 752,2 g/mq d; 1988,6 g/mq d (interpolated vapour of the support)
Washability	> 10000 washes
Preparation of surfaces	New surfaces: New plasters or patches must be well cured, clean, dry and free from white layer. On old paints, remove traces of oils, greases and parts that don't adhere well; level any irregularities of the substrate, seal any cracks and then apply a coat of our fixative product « SILOX PRIMER », that is ready to use.

Preparation of the product

Mix the product before the use and add water

Component A	100
Water	1° coat 20 - 25%
	2° coat 10 - 15%

Environmental conditions

Ambient temperature: from + 8 to 40° C

Temperature of the support: > 10° C

Humidity: 0 - 85 %

In order to prevent the formation of condensation, it is necessary that the temperature of the substrate is at least 3° C above the dew point.

Drying and hardening time

For the thickness of 100 microns

10°C: 3 Dry to touch, 12 Dry in depth

20°C: 1 Dry to touch, 8 Dry in depth

30°C: 0,5 Dry to touch, 4 Dry in depth

Time of overpainting

Minimum (hours)

10°C: 24 hours

20°C: 12 hours

30°C: 8 hours

Maximum unlimited in the absence of contaminants

Application

Brush, roller, spray

If you use the brush, you have to use nylon or natural bristle brushes.

If you use the roller, you have to use medium - haired rollers.

For the application, it is necessary to use the method of crossing coats.

Vapour Diffusion Resistance Factor (μ) (DIN 52615)

210

Water absorption Factor for capillarity (w) (DIN 52615)

0,120

Shelf life

2 years in a cool and dry place (max 40° C)

Packs

Comp A Lt. 14 Lt 5

Precautions:

- Do not apply on wet or not well cured supports;
- Do not apply at temperature below 10° C;
- Do not apply when moisture is above 85 %, in case of imminent rain and in the presence of wind;
- Do not apply if there is condensation on the surface or under the direct action of the sun;
- The humidity of the support must be less than 10 %;
- Protect the substrate from rain for at least 48 hours. The product is completely dried and polymerized in 10 - 15 days under optimal environmental conditions. If, in the meantime, there are rains that would somehow soak the product, unsightly drippings with a glossy and sticky appearance could appear. The latter could be eliminated with high pressure washing or waiting for the next rains. This phenomenon does not affect the features of the product.