Scheda Tecnica

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.