Scheda Tecnica

silox





- Siloxane paint
- Excellent breathability and water repellency
- Resistant to alkali and to the weather

Description	Emulsion paint based on modified silicone resin. It shows the properties of mineral and synthetic paints.
Use	This product is used for the protection of the surfaces prepared with lime or cementitious plasters, when you want an excellent resistance to the weather combined with a good breathability and water repellency. It adheres well even on old paints provided they are well adherent.
Appearance of the film	Matt
Colour	White - colour chart
Components	1
Hardening	Physical hardening through evaporation of water and union of the polymer
Specific weight	From 1,360 - 1,410 gr / m

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Volume of solids	45,5 %
VOC	12 gr / litre
Minimum thickness	80 microns
Estimated yield	5,6 m² / litre for a thickness of 80 microns
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
Water vapour permeability	ASTM D 1653 - 72: 752,2 g / m² d; 1988,6 g / m² d (interpolated vapour of the substrate)
Washability	> 10000 washes
Preparation of surfaces	New surfaces: New plasters or patches must be cured, clean, dry and free from white layers. On old paints, remove parts of oils, greases and all parts that are not adherent; level any irregularities of the substrate and seal off any cracks. So apply a coat of the fixative « SILOX PRIMER », ready to use.

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Preparation of the product

Mix the product before the use and add water

Component A		100
Water	max	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.

Precautions:

Do not apply on wet or not well cured substrates.
Do not apply at temperature below 10° C.
Do not apply when humidity is above 85 %, in case of imminent rain and in the presence of wind.
Do not apply in the presence of surface condensation or under direct sunlight.
The humidity of the substrate must be less than 10 %.
Protect from the rain for at least 48 hours. The complete drying of the product and the polymerization process takes place in 10 - 15 days under optimal environmental conditions. If, in the meantime, there were rains that would somehow wet the product, unsightly dregs with a glossy and sticky appearance could appear. They could be eliminated by power wash or waiting for the next rains. This phenomenon does not affect the characteristics of the product.

Drying and hardening time

For the thickness of 100 microns	10° C	20° C	30° C	
Dry to touch	3	1	0,5	hours
Dry in depth	12	8	4	hours

Time of overpainting

Minimum (hours)	10° C	20° C	30° C
	24	12	8 hours

Maximum unlimited without 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.

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Vapour diffusion resistance factor μ (DIN 52615)	210
Water absorption factor for capillarity (w) (DIN 52615) (m)	0.120
Shelf life	2 years in a cool and dry place (max 40° C)
Packs	Comp A Lt. 14 - Lt 5

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