



Silnovo

TDS

COD. 315/....

Potassium polysilicate anti-algae paint for exteriors with organic stabilisers.

Silnovo is compliant with standard DIN 4108-3 on façade protection and DIN 18363, according to which a product can be defined as “mineral” if it contains less than 5% of organic substances.

Like traditional mineral products, Silnovo has high permeability to water vapour, but as a result of the development of APS Technology, it also has low water absorption. Compliant with standards EN 15457 (resistance to fungal growth) and EN 15458 (resistance to algae) as a result of special additives that protect the film against moulds and lichens.

Can be applied on all types of substrate, even if previously treated with synthetic or emulsion paints. Silnovo is one of the most highly recommended products for use in the restoration of historical buildings and buildings of great artistic and architectural value. Can be used to obtain premium decorative effects like glazing and ragging, as well as providing strength and durability.

TYPICAL CHEMICAL AND PHYSICAL CHARACTERISTICS

APPEARANCE	matt	
COMPOSITION	potassium silicate-based binder with organic stabilisers	
SPECIFIC WEIGHT	1.55 ± 0.05 g/cm ³ a 20°C	
BROOKFIELD VISCOSITY	4,000 ± 1,000 cP	G6 V10 at 20°C
DRY RESIDUE	65 ± 2% p/p	
PERMEABILITY TO WATER VAPOUR	$\mu.s = Sd = 0.003 m$	UNI EN ISO 7783-2 UNI EN 1062-1
WATER ABSORPTION	$W = 0.2 kg/m^2h^{0.5}$	UNI EN 1062-3
ALKALI RESISTANCE	alkali resistant	UNI 10795

For reference standards, see “Key – technical data sheets”

COLOURS

White,





TYPICAL APPLICATION CHARACTERISTICS

DRYING (at 20°C and 65% R.H.)	touch dry: 2-3 hours the silicatisation reaction is complete in about one/two weeks
EFFECTIVE COVERAGE	6-7 m²/L per coat
DILUTION¹ (V/V)	0-10% drinking water
TOOLS	brush, roller

¹ Tints derived from bases other than SLB (e.g. SL0) require less dilution, up to a maximum of 3-5%.

APPLICATION SYSTEM

SUBSTRATES: non-chalky lime or lime/cement based exterior masonry structures. For other types of substrate see the table below.

SUBSTRATE PREPARATION: substrates must be sound and firm, without salt efflorescence or active damp patches. Remove chalky old paintwork by pressure washing.

Do not apply to freshly applied or particularly alkaline substrates; wait for at least four weeks for full carbonation.

	NEW SUBSTRATES		OLD NEVER PAINTED SUBSTRATES		SUBSTRATES WITH OLD PAINT RESIDUES	
PRIMER	Silnovo Fondo 332	1 COAT	Silnovo Fondo 332	1 COAT	Silnovo Fondo 332	1 COAT
FINISH	SILNOVO	2 COATS	SILNOVO	2 COATS	SILNOVO	2 COATS

These application systems refer to "full tone" finishes.
For glazed or ragged effects use Silnovo Velatura.

TECHNICAL SPECIFICATIONS (for contracts and quotations)

GENERAL CHARACTERISTICS	potassium polysilicate anti-algae paint for exteriors with organic stabilisers
DRY RESIDUE	65 ± 2% p/p
SPECIFIC WEIGHT	1.55 ± 0.05 g/cm³ at 20°C



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GENERAL INFORMATION AND NOTICES

Store the product in a cool place. Do not allow to freeze.

Mineral products must not be applied in direct sunlight or strong wind and in any case never at temperatures above 25°C or below 5°C. Protect glass and metal parts as potassium silicate has a very powerful aggressive action against these materials.

The technical information provided above is the result of careful laboratory testing and practical experience. Nevertheless, as the product is often used outside our control, we are unable to guarantee the quality of the end result. This information is subject to review by the Company.

Please carefully read the "GENERAL RECOMMENDATIONS".

CQ Rev. 6 - January 2014

"In accordance with European Directive 2004/42/EC, the VOC values displayed on the packaging refer to the dilutions and thinners specified and to tinted products based on the formulations indicated by Boero Bartolomeo SpA."