

sikkens

SILICATE MARMORIN

Mineral coating,
based on potassium silicate, for
exteriors



Mineral coating based on potassium silicate applicable by trowel or brush, for exteriors

PRODUCT FEATURES

Composition:	Based on stabilized potassium silicate, solid pigments to light and alkali and inert with calibrated particle size distribution
Main properties	<ul style="list-style-type: none"> - Good uniforming power - Opaque mineral appearance - Good permeability to water vapor - Good protection from atmospheric agents

TECHNICAL FEATURES

Viscosity:	Brookfield 26000 - 28000 cps at 20 ° C
Density (density): pH:	1.65 ± 0.05 kg / dm ³ 11 - 12
Solid content:	41 ± 2% by volume; 67 ± 2% by weight
Drying at 23 ° C / 65% RH:	Touch dry: 1 - 2 hours
Overcoating:	After 24 hours
Coloring:	Only with Akzo Nobel's Acomix tinting system using the bases W05, M15 and N00
Packaging:	15 l
EU limit value for content	Cat. A / c: 40 g / l (2010). This product contains a maximum of 30 g / l of VOC

Physical values according to EN 1062

Appearance of the film: G.3 Opaque ≤ 10 OJ 85 °

Dry film thickness: Particle size:	AND ₄	> 200 µm ≤ 400 µm
	S ₂ Average	<300 µm
Vapor permeability (ISO 7783-2):	V ₁ High	Sd = 0.022 m V = 930 g / (m ₂ * d)
Water permeability:	W ₁ High	W = 0.84 kg / (m ₂ * h _{0.5})

Environmental conditions for the application

Temperature: 8 - 30 ° C; Relative humidity: max 85% The application of the product carried out in unsuitable atmospheric conditions negatively affects the drying times, compromising the optimal achievement of the aesthetic and performance characteristics.

Methods and tools

With steel and plastic trowel and brush.

Dilution

By brush: diluted 50% by volume with FONDO SETALIET.

Surrender

By trowel: 3.0 - 3.2 m₂/ l per hand.

By brush: 7 - 8 m₂/ l per hand.

The yield may vary according to the roughness, porosity and absorption characteristics of the substrates and the application system adopted.

Cleaning tools

With water immediately after use.

storage

In tightly closed packs, in a cool and dry place, away from frost and heat sources.

Blending

Only withSETALIET FUND.

Warnings

The silicatization process takes place over 15 days in optimal environmental conditions (23 ° C; RH max. 85%). It is recommended to apply the product in favorable climatic conditions as indicated above.

The chromatic aspect is influenced by the chemical-physical characteristics of the supports involved and by the environmental conditions that accompany the application and drying phases.

In particular, the application performed with extreme temperatures (<8 ° C and> 30 ° C), negatively influences the silicatization process. The consequent presence of active silicate, following washouts by rainwater, can give rise to the formation of unsightly whitish stains or insoluble silicate drips.

In order to avoid such phenomena, we believe it is necessary to protect the surfaces from rainy events and from the sun by placing suitable shading sheets.

For the application on the facades, on an entire elevation from corner to corner, it is necessary to use material belonging to the same manufacturing batch.

In the case of using products with different manufacturing batches, it is advisable to mix the various batches together, in order to avoid differences in shade. Otherwise, chromatic unevenness could be highlighted.

Do not use a color reproduced with different systems for the same job.

Systems involving the use of MARMORINO AI SILICATI must be applied to perfectly dry and cured substrates. Given the high alkalinity of the product, carefully cover all the surfaces adjacent to the one to be painted and especially glass, ceramic, bricks, etc., to avoid damage.

Operations such as sanding, sandblasting or flame removal, etc., of old paint layers, can generate dangerous dust and / or fumes. Work in well-ventilated areas and necessarily wear suitable personal protective equipment. For more information on the correct disposal, storage and handling of the product, please consult the relevant Safety Data Sheet.

APPLICATION SYSTEMS

Preparation

New plasters:

Wait for the total seasoning; careful brushing; apply as a base coat of FONDO SETALIET diluted 100% by volume with water

Irregular plasters never painted:

- Thorough brushing; even out the surfaces, after having previously moistened them, using one of the smoothing compounds of the premixed line for building professional, wait at least 10 days to favor total seasoning

Or

- Thorough brushing; apply as a base coat of FONDO SETALIET diluted 100% by volume with water; wait 24 hours; even out the surfaces by applying a leveling of BETASIL

Deteriorated, chalking plasters

- Remove and restore damaged parts using mortars and smoothing compounds from the premixed range for professional construction; wait for complete seasoning; remove inconsistencies by brushing or hydro-cleaning; wait for drying; apply as a base coat of FONDO SETALIET diluted 100% by volume with water

Or

- Remove and restore damaged parts using mortars from the premixed range for professional construction; wait for complete seasoning; remove inconsistencies by brushing or hydro-cleaning; wait for drying; apply as a base coat of FONDO SETALIET diluted 100% by volume with water; wait 24 hours; apply a coat of SIL GRUND or SIL GRUND MICRO diluted to 15% by volume with FONDO SETALIET

Old crumbling mineral paints well anchored Remove inconsistencies by brushing or hydro-cleaning; wait for drying; apply as a base coat of FONDO SETALIET diluted 100% by volume with water

Old non-adherent organic paints

Total removal of existing paint with POLYFILLA PRO S100 paint stripper and subsequent water cleaning; wait for

	<p>drying; apply as a base coat of FONDO SETALIET diluted 100% by volume with water</p> <p><u>Surfaces affected by the presence of mosses, molds and lichens</u> Removal of microorganisms present with water cleaning; wait for drying; apply an undiluted coat of ALPHA DESINFECTOR and wait at least 6 hours before application of the most suitable primer based on the nature and conservation of the surfaces concerned</p>
Finish	<p><u>Spatula application:</u> Apply a first coat of MARMORINO AI SILICATI with a steel trowel, removing the excess with the same trowel; wait 24 hours; apply a second coat of MARMORINO AI SILICATI smoothing it to finish with the plastic one in a rotary direction after having removed the excess</p> <p><u>Brush application:</u> Apply two coats of MARMORINO AI SILICATI by brush, diluted 50% by volume with FONDO SETALIET, waiting 24 hours between the first and second coat.</p>
Note	<p>All the information contained in this document is purely indicative and contains only some examples of support that do not represent the totality of the situations that in practice could be affected, therefore if it is necessary to intervene on supports not indicated or if further clarifications are necessary, we invite you to contact our Technical Assistance Service. Furthermore, for the correct preparation of the substrates and the application of the products, the rules for state-of-the-art installation apply, as reported in the Sikkens notebook "Preparation of masonry substrates", which we invite you to consult.</p>

TENDER SPECIFICATIONS

Wording to be included in the tender specifications and estimates

Mineral coating based on potassium silicate, quartz aggregates and solid pigments to light and alkalis applicable by spatula or brush (type MARMORINO AI SILICATI)

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AND₄ $> 200 \mu\text{m} \leq 400 \mu\text{m}$

S.2Average $< 300 \mu\text{m}$

Vapor permeability (ISO 7783-2):

V.1High Sd = 0.022 m V = 930 g / (m²* d)

Water permeability:

W.1High W = 0.84 kg / (m²* h_{0.5})

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