

ALPHA SUPRALIET

Mineral paint
based on polysilicate,
for exteriors.



Opaque mineral paint based on polysilicate for use on outdoor wall surfaces, in accordance with DIN 18363.

PRODUCT FEATURES

composition:	Based on polysilicate, selected pigments stable to light and alkali and inert with a maximum size of 100 microns
main properties	<ul style="list-style-type: none"> - High permeability to water vapor - Excellent resistance to atmospheric agents - Good resistance to microorganisms (algae and fungi) - Self-cleaning, it ages due to chalking and does not flake - Excellent adhesion, even on organic paints - Applicable both by roller and brush - Opaque mineral appearance - Reduced overpaintable times compared to traditional application times for mineral products

TECHNICAL FEATURES

viscosity:	Brookfield 7000 - 8000 cps at 23 ° C
volume level (density):	1.51 ± 0.05 kg / dm ³
H:	10 - 11
solid content:	36% ± 2% by volume; 55 ± 2% by weight by volume
drying at 23 ° C / 65% RH:	Touch dry: 1 - 2 hours
overlay:	After 4 - 6 hours
coloring:	Only with Akzo Nobel's Acomix tinting system using the bases W05, M15 and N00
packages:	White: 5 and 15 l; Bases: 1; 5 and 15 l
EU limit value for content	Cat. A / c: 40 g / l (2010). This product contains a maximum of 25 g / l of VOC

physical values according to EN 1062

aspect of the film:	G.3Opaque	$\leq 10 \text{ GU } 85^\circ$; ca 2 OJ 85°
dry film thickness:	AND ₃	$> 100 \mu\text{m} \leq 200 \mu\text{m}$
granulometry:	S.1 end	$< 100 \mu\text{m}$
vapor tightness (ISO 7783-2): water tightness:	V.1High W ₃ Low	$S_d = 0.09 \text{ m}$ $V > 150 \text{ g} / (\text{m}^2 \cdot \text{d})$ $W = 0.085 \text{ kg} / (\text{m}^2 \cdot \text{h}_{0.5})$

environmental conditions
for the application

Temperature: $8 - 30^\circ \text{C}$; 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

By brush or roller.

dilution

10 - 15% by volume with ALPHA SUPRALIET PRIMER.

hex

10 - 12 m^2 / l per hand.

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

tools

With water immediately after use.

conservation

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

compatibility

Only with ALPHA SUPRALIET PRIMER.

warnings

The silicization 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 ($< 8^\circ \text{C}$ and $> 30^\circ \text{C}$), negatively influences the silicization 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.

Systems that require the use of ALPHA SETALIET 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

reparation

New plasters with civil finish:

Wait for the total seasoning; careful brushing; apply as a base coat of ALPHA SUPRALIET PRIMER diluted 50% 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 ALPHA SUPRALIET PRIMER diluted 50% 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

Well anchored old crumbling mineral paints: Remove inconsistencies by brushing or hydro-cleaning; wait for drying; apply like base a coat of ALPHA SUPRALIET PRIMER diluted 50% by volume with water

Well anchored old organic paints

Remove inconsistencies by brushing or hydro-cleaning; wait for drying

Old non-adherent organic paints

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

- apply as a base coat of ALPHA SUPRALIET PRIMER diluted 50% by volume with water
- in the case of irregular substrates, apply a coat of FONDO SETALIET diluted 100% by volume with water as an alternative base coat; wait 24 hours; apply a coat of SIL GRUND or SIL GRUND MICRO diluted to 15% by volume with FONDO SETALIET

Well adherent old mineral coatings

Remove inconsistencies by brushing or hydro-cleaning; wait for drying; apply as a base coat of ALPHA SUPRALIET PRIMER diluted 50% by volume with water

Surfaces affected by the presence of mosses, molds and lichens

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

SYSTEM FOR BRILLIANT COLORS

For particularly bright colors, to avoid problems of uneven coverage, it is recommended to use the following application cycle.

Mineral surfaces new or already painted with well anchored organic paints

Remove inconsistencies by brushing or hydro-cleaning; wait for drying; apply by brush a coat of SIL GRUND or SIL GRUND MICRO in the color corresponding to the finish, diluted 15% by volume with FONDO SETALIET

Old mineral surfaces

Remove inconsistencies by brushing or hydro-cleaning; wait for drying; 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 in the color corresponding to the finish, diluted 15% by volume with FONDO SETALIET

finishing

- Apply two coats of ALPHA SUPRALIET diluted 10 - 15% by volume with ALPHA SUPRALIET PRIMER by brush or roller with an interval of at least 4 - 6 hours between one coat and the next.

note

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.

TENDER SPECIFICATIONS

Wording to be included in the tender specifications and estimates

Opaque mineral paint based on polysilicate for use on outdoor wall surfaces, in accordance with DIN 18363 (Type ALPHA SUPRALIET)

TECHNICAL FEATURES

Viscosity:	Brookfield 7000 - 8000 cps at 23 ° C
Density (density): Ph:	1.51 ± 0.05 kg / dm ³ 10 - 11
Solid content:	36% ± 2% by volume; 55 ± 2% by weight by volume
Drying at 23 ° C / 65% RH	Touch dry: 1 - 2 hours
Overcoating:	After 4 - 6 hours
Coloring:	Only with Akzo Nobel's Acomix tinting system using the bases W05, M15 and N00
Packaging:	White: 5 and 15 l; Bases: 1; 5 and 15 l
EU limit value for VOC content:	Cat. A / c: 40 g / l (2010). This product contains a maximum of 25 g / l of VOC

Physical values according to EN 1062

Appearance of the film:	G.3Opaque	≤ 10 GU 85 °; ca 2 OJ 85 °
Dry film thickness:	AND ₃	> 100 μm ≤ 200 μm
Particle size:	S.1end	<100 μm
Vapor permeability (ISO 7783-2):	V.1High	Sd = 0.09 m V> 150 g / (m ² * d)
Water permeability:	W ₃ Low	W = 0.085 kg / (m ² * h _{0.5})

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