

# sikkens

## ALPHASOL SILIKAT

Opaque mineral paint, based on polysilicate, for a comfortable internal microclimate



Solvent-free opaque mineral paint for interiors, based on polysilicate. Reduced sensitivity to mold formation. High breathability and coverage. Complies with DIN 18363.

### PRODUCT FEATURES

#### Composition:

Based on polysilicate, selected pigments and synthetic resin in aqueous dispersion in compliance with DIN 18363

#### Main properties

- Excellent hiding power
- High permeability to water vapor
- Reduced sensitivity to mold formation
- Opaque appearance
- Easy application
- Applicable on dehumidifying plasters
- With TÜV certification: absence of harmful substances (heavy metals, organic compounds, plasticizers) during and after application

### TECHNICAL FEATURES

<b>Viscosity:</b>	Brookfield 6,000 - 9,000 cps
<b>Density (density): pH:</b>	1.53 ± 0.05 kg / dm <sup>3</sup> 11.3
<b>Solid content:</b>	40 ± 2% by volume; 53 ± 2% by weight
<b>Drying at 23 ° C / 65% RH:</b>	Touch dry: 1 - 2 hours
<b>Overcoating:</b>	After 4 - 6 hours
<b>Coloring:</b>	Only with Akzo Nobel's Acomix tinting system using the W05 base.
<b>Packaging:</b>	White and Base W05: 1-5-10 liters

## EU limit value for content

Cat. A / a: 30 g / l (2010). This product contains a maximum of 1 g / l of VOC

## Physical values according to EN

<b>13300 Gloss:</b>	G.3Opaque	≤ 10 GU 85 ° (measured 1.5 GU)
<b>Dry film thickness:</b>	AND <sub>2</sub>	50 µm
<b>Particle size:</b>	S.1 end	> 50 ≤ 100 µm
<b>Hiding power:</b>	Class 1	≥ 99.5 with a yield of 6 m <sup>2</sup> / l
<b>Wet abrasion:</b>	Class 3	≥ 20 µm <70 µm after 200 cycles

## METHOD OF USE

Environmental conditions  
for the application

Temperature: 5 - 30 ° C; Relative humidity: max 85% The application of the product carried out in unsuitable environmental conditions negatively affects the drying times, compromising the optimal achievement of the aesthetic and performance characteristics.

Methods and tools

By roller, by brush only to profile 10%

Dilution

by volume with water

Surrender

10 - 12 m<sup>2</sup>/ 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

With no other product. Any mixing will alter the technical characteristics and quality of the product.

Warnings

ALPHASOL SILIKAT it goes applied on supports perfectly dry, seasoned and compact. Being a silicate binder-based product, it can show whitening or modification of the surface satin finish, if subjected to surface stresses such as rubbing.

Given the high alkalinity of the product, carefully cover all the surfaces adjacent to the one to be painted and especially glass, ceramic, marble, etc., to avoid damage. Operations such as sanding, sandblasting, 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

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### Preparation

#### New mineral plasters with civil finish

Wait for the total seasoning; thorough brushing to remove inconsistencies; apply as a base coat of ALPHA SUPRALIET PRIMER diluted 50% by volume with water

Irregular gypsum plasters and skims never painted: Even out the surfaces by smoothing them with POLYFILLA PRO E110 or E120 or E200 or ALPHA STUCCO, wait for it to dry completely and sand to eliminate smudges and excess grout; apply as a base coat of ALPHA TEX ACRYL diluted 50% by volume with water

#### New plasterboard:

Fill any holes and irregularities with POLYFILLA PRO F120 or F210; wait for it to dry completely and sand to eliminate smudges and excess grout; apply as a base coat of ALPHA TEX ACRYL diluted 50% by volume with water

#### Well anchored old washable paints:

Fill any holes and irregularities with POLYFILLA PRO F120 or F200 or F210; wait for it to dry completely and sand to eliminate smudges and excess grout; apply as a base coat of ALPHA TEX ACRYL diluted 50% by volume with water

#### Well anchored old breathable paints:

Fill any holes and irregularities with POLYFILLA PRO F120 or F200 or F210; wait for it to dry completely and sand to eliminate smudges and excess grout; apply as a base coat of ALPHA TEX ACRYL diluted 50% by volume with water

#### Old tempera paintings

Remove any detaching parts by scraping them after having previously moistened them; fill any holes and irregularities with POLYFILLA PRO F120 or F200 or F210 or smooth the surfaces by smoothing them with POLYFILLA PRO E110 or E200 or ALPHA STUCCO, wait for it to dry completely and sand to eliminate smudges and excess grout; apply as a base coat of ALPHA TEX ACRYL diluted 50% by volume with water

### Finish

Apply two coats of ALPHASOL SILIKAT diluted 10% by volume with water, with an interval of at least 4 - 6 hours between one coat and the other

### 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. Also, for proper preparation

of the substrates and the application of the products, the rules for state-of-the-art installation apply, as reported in the Assovernici Technical Manual "Decorating, Painting, Coloring with interior paints" and 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

Solvent-free opaque mineral paint for interiors, based on polysilicate. Reduced sensitivity to mold formation. High breathability and coverage. Complies with DIN 18363. With TÜV certification: absence of harmful substances (heavy metals, organic compounds, plasticizers) during and after application (such as ALPHASOL SILIKAT).

### TECHNICAL FEATURES Viscosity:

Brookfield 6,000 - 9,000 cps

### Density (density): pH:

1.53 ± 0.05 kg / dm<sup>3</sup>

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### Drying at 23 ° C / 65% RH

Touch dry: 1 - 2 hours

### Overcoating:

After 6 hours

### Coloring:

Only with Akzo Nobel's Acomix tinting system using the W05 base

### Packaging:

White: 1-5-10 liters; Bases: 1-5-10 liters

### EU limit value for VOC content:

Cat. A / a: 30 g / l (2010). This product contains a maximum of 1 g / l of VOC

### Physical values according to EN

#### 13300 Gloss:

G.3Opaque ≤ 10 GU 85 ° (measured 1.5 GU)

#### Dry film thickness:

AND<sub>2</sub> 50 µm

#### Particle size:

S.1 end > 50 ≤ 100 µm

#### Hiding power:

Class 1 ≥ 99.5 with a yield of 6 m<sup>2</sup> / l

#### Wet abrasion:

Class 3 ≥ 20 µm <70 µm after 200 cycles

## ARTICLES

Packs

1L, 5L and 10L, metal cans.

Color availability

White and colors achievable with a colorimetric machine system

**rative Paints**

**NO)**



based on years of practical experience and research conducted in our laboratories. We guarantee that the quality of the work carried out with our products satisfies obel Coatings SpA, provided that all the instructions given by us are correctly followed and the work has been carried out according to expert opinion and / or has been negatively influenced by circumstances beyond our control, any and all liability is expressly excluded