

## SIL GRUND

Excellent filling power, according to DIN 18363



Covering anchoring and restructuring primer based on potassium silicate, for exterior and interior walls.

### PRODUCT FEATURES

#### Composition:

Based on stabilized potassium silicate in compliance with the DIN 18363 Standard, mineral aggregates and solid pigments to light and alkalis

#### Main properties:

- Promotes the adhesion of silicate and siloxane-based paints to organic paints, as long as they are well anchored
- It reduces the differences in surface texture between old plasters and any restorations
- Helps to mask shrinkage micro-cracks in old plasters
- Complies with DIN 18363
- High permeability to water vapor

### TECHNICAL FEATURES

#### Viscosity:

Brookfield 6000 - 8000 cps at 23 ° C

#### Density (density): pH:

1.67 ± 0.05 kg / dm<sup>3</sup>

10 - 11

#### Solid content:

39 ± 2% by volume; 62 ± 2% by weight

#### Drying at 23 ° C / 65% RH:

Touch dry: 1 - 2 hours

Can be painted over: after 12 hours

#### Coloring:

Only with Akzo Nobel's Acomix tinting system using the bases W05, M15 and N00

#### Packaging:

15 l

#### EU limit value for VOC content

Cat. A / g: 30 g / l (2010). This product contains a maximum of 3 g / l of VOC

#### Physical values according to EN

##### 1062 Grain size:

S.3Big

500 µm

##### Vapor permeability (ISO 7783-2):

V.1High

Sd = 0.037 m; V> 150 g / (m<sup>2</sup>\* d)

## METHOD OF USE

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### **Methods of application:**

By brush and roller. Roller application is possible but not recommended, as the product has a tendency to splash.

### **Dilution:**

From 10 to 15% by volume with SETALIET FUND.

Surrender:

3.5 - 4 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.

### **Mixing:**

Only with SETALIET FUND.

### **Environmental conditions for 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.

### **Cleaning of tools:**

With water immediately after use.

### **Storage:**

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

### **Warnings:**

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 at high temperatures (> 30 ° 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 these phenomena, we believe it is necessary to protect the surfaces from rainy events and from the sun by placing suitable sunshade and waterproof sheets. Systems involving the use of SIL GRUND 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. Furthermore, it must be painted over exclusively with colors made using coloring pastes for exteriors, resistant to alkali. SIL GRUND cannot be painted over with thick coatings or smoothing compounds of any kind. 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 proper disposal,

## APPLICATION SYSTEMS

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### Preparation

#### Deteriorated, chalking plasters

- 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 diluted to 15% by volume with FONDO SETALIET

#### New plasters with shrinkage micro-cracks or with an uneven surface texture

- Wait for the complete seasoning; remove inconsistencies by brushing or hydro-cleaning; wait for drying; apply a coat of SIL GRUND diluted to 15% by volume with FONDO SETALIET

#### Old unpainted plasters, with micro-cracks due to shrinkage or with an uneven surface texture

- 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 diluted to 15% by volume with FONDO SETALIET

#### Well anchored old organic paints

- Remove inconsistencies by brushing or hydro-cleaning; wait for drying; apply a coat of SIL GRUND diluted to 15% by volume with FONDO SETALIET

#### 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 FONDO SETALIET diluted 100% by volume with water; wait 24 hours; apply a coat of SIL GRUND diluted to 15% by volume with FONDO SETALIET

#### Compact 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 applying a coat of SIL GRUND diluted 15% by volume with FONDO SETALIET

### Finish

- Finally apply one of the silicate-based paints of the SIKKENS range (adopting what is indicated in the respective Technical Data Sheets)

#### **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 Assovernici Technical Manual "Preserve, Protect, Decorate with paints on the outside" and in the Sikkens notebook. "Preparation of masonry supports", which we invite you to consult.

## TENDER SPECIFICATIONS

### Wording to be included in the tender specifications and estimates

Covering anchoring and restructuring primer based on potassium silicate, according to DIN 18363, for exterior and interior walls (SIL GRUND type)

## TECHNICAL FEATURES

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<b>Density (density): pH:</b>	1.67 ± 0.05 kg / dm <sup>3</sup>
	10 - 11
<b>Solid content:</b>	39 ± 2% by volume; 62 ± 2% by weight
<b>Drying at 23 ° C / 65% RH:</b>	Touch dry: 1 - 2 hours
	Can be painted over: after 12 hours
<b>Coloring:</b>	Only with Akzo Nobel's Acomix tinting system using the bases W05, M15 and N00
<b>Packaging:</b>	15 l
<b>EU limit value for VOC content</b>	Cat. A / g: 30 g / l (2010). This product contains a maximum of 3 g / l of VOC
<b>Physical values according to EN</b>	
<b>1062 Grain size:</b>	S.3Big 500 µm
<b>Vapor permeability (ISO 7783-2):</b>	V.1High Sd = 0.037 m; V> 150 g / (m <sup>2</sup> * d)

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rative Paints

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