

### Note on English translation / Hinweise zur englischen Fassung

This is a translation of the product data sheet valid in Germany.

All stated details and properties are in compliance with the regulations of the German standards and building regulations. They are only applicable for the specified products, system components, application rules, and construction details in connection with the specifications of the respective certificates and approvals.

Knauf Gips KG denies any liability for applications outside of Germany as this requires changes acc. to the respective national standards and building regulations.

# KNAUF

## Plaster & Façade Systems

# B165C.de

Product Data Sheet

2023-04



# Casiol Grund

Calcium silicate primer for application on mineral plasters

### Product description

Knauf Casiol Grund is a ready-to-use, white pigmented, highly permeable, mineral calcium silicate primer for reducing the risk of lime efflorescence, as well as for equalising the suction properties on alkaline finishing renders before applying paint coats (medium to intensive colour shades).

### Composition

Aqueous white pigmented primer with mineral fillers, polymer dispersion, titanium dioxide and additives.

### Storage

It can be stored for at least 18 months in the original unopened container in a cool and frost-free (+5 °C to +25 °C) environment. Close opened buckets airtight.

Do not expose to direct sunlight or heat.

### Quality

The product is subject to continuous factory production control.

### Properties and added value

- For interior and exterior application
- Ready-to-use
- Highly vapour permeable
- Capable of silification for subsequent coats with dispersion silicate based paint
- Absorption regulating
- EC1plus, very low emission certified acc. to GEV-EMICODE
- Protects against lime efflorescence with mineral plasters
- Suitable for hand and machine application
- Pigmented white (approx. RAL 9010)
- Can be pigmented to approximate the Knauf ColorConcept shade selector card



[www.emicode.com/en](http://www.emicode.com/en)

**Field of application**

For interior and exterior use on:

- Lime-cement basecoats (e.g. Super Lupp, UP 210, Gigamit)
- Basecoat (e.g. Sockel-SM Pro, SM700 Pro, SM300, Lustro)
- Lime plasters (e.g. Rotkalk Glätte, Rotkalk Finish)
- Mineral, thin-layer top coats (e.g. Noblo Filz, MineralAktiv Scheibenputz Dry, SP 260 Pro)

Prevention of lime efflorescence (bloom) before application of the last coat or layer (e.g. Fassadol TSR, Autol TSR)

**Application**

**Substrate and pretreatment**

Substrate	Pretreatment
Lime-cement basecoats	Pretreat coarse, porous, sanding, highly absorbent substrates with Grundol.
Mineral, thin-layer finish coats (e.g. Noblo Filz, MineralAktiv Scheibenputz Dry, SP 260 Pro)	Pretreat white with Casiol Grund or in a similar colour shade of the finishing plaster. Observe the drying times
Lime plasters (e.g. Rotkalk Glätte, Rotkalk Finish)	Pretreat white with Casiol Grund

**Preparation**

Check the substrate for compliance with VOB part C, DIN 18350, DIN 18345 chapter 3.1 and/or according to VOB part B, DIN 1961 paragraph 4 no.

3. Clean the substrate of dust and loose parts and remove, ensure that the surface is smooth. Cover easily-soiled building components before commencement in accordance with Code of Practice "Abklebe- und Abdekarbeiten für Maler- und Stuckateurarbeiten" (German only) issued by the German Bundesverband Ausbau und Fassade.

Preparation of the substrate in accordance with the Substrate/Pretreatment table. All substrates must be stable, dry, even and free of grease and dust as well as free of any residual substances that may reduce the adhesion. Test the stability and compatibility of existing coats (old plasters and paint coats) before application of Casiol Grund.

<b>Caution</b>	Do not mix Casiol Grund with other materials because properties can possibly change significantly.
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**Machines / equipment**

e.g. PFT Samba S (Airless)

- Spray pressure 130 to 150 bar
- Nozzle 0.017" to 0.019"
- Nozzle angle 50°

**Application**

Stir the contents of the bucket thoroughly before application. Apply undiluted Casiol Grund evenly and to the entire surface in a crosswise action with a Lambskin Roller / brush or by machine with airless spray equipment and roll in with a lambskin roller.

Clean tools directly after use with water. Remove contaminations of Casiol Grund (splashes or similar) on the contaminated surfaces preferably in the fresh state with warm water. Dried material can be removed after softening using using a wiping cloth or similar.

**Application temperature/climate**

Do not apply material at air and/or substrate temperatures below +5 °C and above +30 °C. Protect fresh coats from the effects of moisture, e.g. from precipitation and from the effects of rapid water loss or exposure to direct sunshine or strong wind, by protecting with suitable measures such as protective nets.

**Application time**

Wait with subsequent work until Casiol Grund is no longer sticky and has fully dried (minimum 12 h at +20 °C and 65 % relative humidity). Correspondingly longer drying times result from cool and damp site conditions. Highly absorbent surfaces as well as good ventilation shorten the drying times. The time after drying of Casiol Grund and starting subsequent work should be kept as short as possible to avoid dust depositing on the surfaces.

**Cleaning**

Clean the machines and tools with water immediately after use.

<b>Note</b>	In case of Casiol Grund application under pigmented paste-like finish coats, which do not receive any further coats, it should be pigmented in approximately the same colour shade.
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<b>Caution</b>	In case of Casiol Grund application under the paint system with Autol TSR or Fassadol TSR, Casiol Grund may not be pigmented.
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**Technical data**

Description	Standard	Unit	Casiol Grund
Density	EN ISO 2811-1	kg/l	approx. 1.3
Viscosity	–	–	Low viscosity (thin flowing)
pH value	DIN ISO 976	–	approx. 9.5
Diffusion equivalent air layer thickness $s_D$ value	DIN EN ISO 7783	m	< 0.14

The stated technical data were evaluated acc. to the respective test standards. Deviations under site conditions are possible.

**Material requirement and efficiency**

Application	Consumption approx. l/m <sup>2</sup>	Yield approx. m <sup>2</sup> /bucket
Single coat	0.17	73.0

The exact consumption can only be determined with a test application on the individual object.

**Product range**

Description	Application	Paint	Packaging unit	Material number	EAN
Casiol Grund	12.5 l	White	32 buckets / pallet	00748650	4003950141683
		Pigmented	32 buckets / pallet	00748656	4003950141720

**Sustainability and environment**

Short description	Value
Requirements of the German AgBB-scheme	Compliant
Complies with the requirements of the French emission class	A+
Certificates	EC1 Plus
VOC content acc. to RL2004/42/EC	< 0.1 % / ≤ 1 g/l
Solvent-free and softener-free acc. to VdL-RL01 (Revision 4)	fulfilled



**Observe safety data sheet!**

For safety data sheets and CE marking see  
[pd.knauf.de](http://pd.knauf.de)



Videos for Knauf systems and products can be found under the following link:  
[youtube.com/knauf](https://youtube.com/knauf)



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