

## 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



Drywall Systems

## K451.de

Product Data Sheet

2019-02



# Knauf Tiefengrund primer

Surface solidification and regulation of the suction properties

## Product description

Knauf Tiefengrund primer is a ready-to-use, fine-particle, watery deep primer on a synthetic resin dispersion basis, and is solvent-free and softener-free as well as alkaline resistant.

## Storage

Do not expose to direct sunlight or heat.

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.

## Quality

The product is subject to continuous factory production control.

## Properties and added value

- Suitable for interior and exterior application
- Ready-to-use
- Very good penetration power
- Diffusion permeable
- Surface consolidating
- Dust binding
- Absorption regulating
- Solvent and softener free, low emission
- Suitable for application by or machine

### Field of application

Knauf Tiefengrund primer can be used in interiors and exteriors on absorbent substrates such as

- Gypsum plasters, gypsum/lime plasters, lime plasters as well as lime/cementitious plasters
- Gypsum boards and gypsum fibre boards
- Plaster block
- Prefab floor screed made of cementitious boards (e.g. Knauf AQUAPANEL® Cement Board Floor) or gypsum boards and gypsum fibre boards (e.g. Knauf Brio)

Knauf Tiefengrund primer can be used for equalization of different absorption properties, surface solidification and for binding building dust before the application of tiles, wallpapers and paint coats (e.g. Raumklima Farbe E.L.F. paint).

Knauf Tiefengrund primer binds mildly chalking, but firmly adhering and stable emulsion paint coatings and provides a certain level of protection against dampness (not a vapour barrier) with gypsum elements.

### Application

#### Substrate and pretreatment

Remove distemper, peeling paint and other loose sanding and crumbling layers, and if necessary, repair them.

The substrate must be dry, stable and sufficiently dimensionally stable, dust-free, free of loose components, oil, grease, concrete release agents and treatment agents, sinter layers, impurities and harmful efflorescence. Preliminary tests are necessary with critical substrates, if necessary, crosscut or scratch tests may need to be performed.

#### Preparation

Protect easily-soiled building components, particularly glass surfaces, wood, metal, natural stone and floor covering. Protect weather-exposed surfaces from precipitation. Observe the Code of Practice "Abklebe- und Abdekarbeiten für Maler- und Stuckateurarbeiten" issued by the Bundesverband Ausbau und Fassade (German only).

### Application

<b>Notes</b>	<p>Knauf Tiefengrund primer may not be mixed with other materials because properties can possibly change significantly.</p> <p>Heavily sanding and crumbling, non-stable plaster layers cannot be solidified with Knauf Tiefengrund primer.</p>
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Stir the content of the bucket thoroughly before application.

Knauf Tiefengrund primer is applied undiluted with a painting brush, roller or spray gun. Remove excess material so that no glossy spots or pools occur. For highly absorbent and porous surfaces, the solidifying effect and penetration depth can be enhanced if two coats are applied "fresh-in-fresh". Clean tools directly after use with water. Remove contaminations of Knauf Tiefengrund primer (splashes or similar) on the surfaces affected preferably in the fresh state with warm water. Dried material can be removed after softening using a wiping cloth.

#### Application temperature / climate

The material, substrate and air temperatures during application and until the primer is fully dry should not fall below +5 °C.

#### Drying

Wait with subsequent work until Knauf Tiefengrund primer is no longer adhesive and has fully dried (min. 3 hours at 20 °C and 65 % rel. 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 the Knauf Tiefengrund primer and commencement of the subsequent work should be kept as short as possible to avoid dust depositing on the surfaces.

### Technical data

Description	Unit	Value
Density	kg/l	approx. 1.0
Viscosity	–	low viscosity (thin flowing)
pH value	–	approx. 8

### Material requirement and efficiency

Substrate	Consumption per application approx. in ml/m <sup>2</sup>
Plasters or gypsum elements	70 – 100

All stated figures are approximate values and may deviate depending on the substrate conditions. The exact consumption can only be determined on the individual object.

### Order information

Description	Application	Packaging unit	Material number	EAN
Knauf Tiefengrund primer	5 l	60 buckets/pallet	00006396	4006379024575
	15 l	24 buckets/pallet	00021672	4006379051519

### Sustainability and environment

Short description	Unit	Value
Requirements of the German AgBB-scheme	–	fulfilled
VOC content acc. to RL2004/42/EC	%	< 0.1
	g/l	< 1
Solvent and softener free acc. to VdL-RL01	–	fulfilled
GISCODE		M-GF01



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For safety data sheet see

[pd.knauf.de](http://pd.knauf.de)



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