

Plaster and Façade Systems

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Raumklima Grundierung primer

Quick drying bonding primer for
Raumklima finish coats in interiors

Product Data Sheet

2025-10



Product description

Raumklima Grundierung primer is a highly vapour-permeable, fast drying and ready-mixed bonding primer for Raumklima Scheibenputz floated plaster, Raumklima Spritzputz spray plaster and mineral thin-layer finishing plasters in interiors.

Composition

Polymer dispersion, titanium dioxide, silicate fillers, silica sand, calcium carbonate, water, additives and preservatives (contains Methylisothiazolinone and Benzisothiazolinone).

Storage

The material 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 interiors
- Fast drying
- Highly open to diffusion
- Ready to use (do not dilute)
- Absorption regulating
- Provides bonding substrates
- Free from solvents, softeners/plasticisers and fogging active substances
- Pigmented white
- Manual application
- Can be pigmented to approximate the Knauf ColorConcept colour shade selector card

Field of application

Application in interiors on:

- Gypsum plaster surfaces
- Lime-cement basecoats
- Gypsum wallboards
- Firmly bonded dispersion coats.

As a bonding primer before the application of:

- Raumklima Scheibenputz scraped finish plaster
- Raumklima Spritzputz spray plaster
- Mineral, thin-layer finishing coats.



Application

Substrate and pretreatment

Substrate	Pretreatment
Lime-cement lightweight plasters, lime plasters, lime-cement plaster and cementitious plasters	If necessary apply a Grundol primer coat.
Gypsum or gypsum-lime plasters	Remove any existing dust (wipe test) with a damp cloth or with a vacuum cleaner.
Gypsum wallboards	Primer coat with Grundol.
Concrete	Seal small flaws and cavities with Universal-Feinspachtel Sprint multi-purpose fine filler.
Firmly adhering dispersion paint and dispersion silicate based paint	Clean accordingly.
Chalking or sanding surfaces	Remove completely, primer coat with Grundol.
Distempers	Wash off completely and allow to fully dry.
Non-adhering wallpaper	Remove completely. Wash off the paste and paper residue. If necessary apply a Grundol primer coat.
Old lime and mineral based paint coats	Remove mechanically as far as possible, apply a Grundol primer coat.
Plaster blocks	Apply a Grundol primer coat for highly absorbent substrates.

1) For dyed finishing plasters, a primer coat with Raumklima Grundierung primer in the corresponding colour shade is required.

Preparation

Check the substrate for compliance with VOB part C, DIN 18350, chapter 3.1 and/or according to VOB part B, DIN 1961 paragraph 4 section 3. Clean the substrate of dust and loose parts and remove them ensuring 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 - Masking and covering for painting and stucco work" (German only) issued by the 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.

Preliminary tests are necessary with critical substrates, if necessary, crosscut or scratch tests may need to be performed. Test the stability and compatibility of existing coats (old plasters and paint coats) before application of Raumklima Grundierung primer.

Allow primer coats to dry for at least 12 hours before continuing work.

Caution

When using Raumklima Grundierung primer on products with Sprint technology, the product data sheets for the corresponding Sprint products must be taken into account.

Application

Raumklima Grundierung primer is ready-to-use and only requires stirring briefly with an electric quirl before application. Apply an undiluted uniform cross coat of Knauf Raumklima Grundierung primer on all the substrate with a lambskin roller or a brush. Remove contaminations with Knauf Raumklima Grundierung primer (splashes or similar) on the soiled surfaces preferably in the fresh state with warm water. Dried material can be removed after softening, using a damp wiping cloth or similar.

Drying time

Drying time of Raumklima Grundierung primer: At least 2 hours 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 the Raumklima Grundierung primer and commencement of the subsequent work should be kept as short as possible to avoid dust depositing on the surfaces.

Note

Wait with subsequent work until Raumklima Grundierung primer is no longer sticky and has fully dried. Drying is completed when Raumklima Grundierung primer no longer bonds to your finger when you rub it. It is also necessary to check areas that are less-well ventilated, e.g. inside corners.

Application temperature / climatic conditions

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

Cleaning

Clean the equipment and tools with water immediately after use.

Technical data

Description	Raumklima Grundierung primer	Unit	Standard
Density	1.3	kg/l	–
Viscosity	Viscous, thick flowing	–	–
pH value	approx. 9.5	–	–
Diffusion-equivalent air layer thickness s_d	< 0.14 (approx. 0.07)	m	EN ISO 7783

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

Material requirement / efficiency

Bucket kg	Consumption approx. g/m ²	Yield approx. m ² /bucket
15	150	100


The consumption values were determined under laboratory conditions. Additional consumption resulting from conditions in practice must be taken into account. The material consumption depends on the roughness, evenness and absorption properties of the substrate as well as the machinery used.


Product variants


Raumklima Grundierung primer	Application	Packaging unit	Material number	EAN
	15 kg	32 buckets/pallet	00479785	4003950098666
	15 kg (pigmented)		00479794	4003950098680

Sustainability and environment

Short description	Comments	Unit	Value
EPD Environmental Product Declaration	–	–	EPD-DBC-20220146-IBF1-EN
EMICODE	EC1 ^{PLUS}	–	fulfilled

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