

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

P519b.de

Product Data Sheet

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Raumklima Spritzputz

Healthy living lime spray plaster with marble grains and extremely resilient

Product description

Mineral lime spray plaster with moisture regulating effect for interiors.

Composition

Mineral binder, polymer dispersion, titanium dioxide, marble grains and powders, silicate fillers, water and additives.

Storage

The material can be stored for approx. 18 months in the original unopened container in a cool and frost-free environment. Close opened buckets airtight.

Quality

In compliance with EN 15824, the product is subject to initial type testing and continuous factory production control and bears the CE marking.

Properties and added value

- For interiors
- Moisture regulating
- Highly vapour permeable
- Highly abrasion resistant
- Gloss level dull matt
- Colour shade white (similar to RAL 9016)
- Very low emissions
- Without preservatives and free from solvents, softeners, plasticisers and fogging active substances
- Limited colour shading with the Knauf ColorConcept colour shade selector card



Field of application

Raumklima Spritzputz spray plaster is applied by machine to a ceiling or wall surface after a suitable primer or pretreatment has been applied.

As a mineral finishing coat:

- On gypsum plasters or gypsum lime plasters (e.g. MP 75 ActiveComfort , MP 75 L, MP 75 G/F-Leicht, MP 75 Diamant),
- On lime-cement products (e.g. Super Lupp, LUP 222, UP 210(s)),
- On gypsum boards (e.g. Diamant),
- On gypsum wallboards
- On concrete,
- On dispersion paints (e.g. Malerweiss E.L.F.),
- On wood-chip and fleece wallpaper.

Substrate	Pretreatment
Gypsum plasters or gypsum lime plasters acc. to EN 13279-1	Apply without primer coat
Lime-cement plasters, e.g. Super Lupp, LUP 222, UP 210(s) etc.	Apply a primer coat with Raumklima Farbe E.L.F. or Silikatweiss E.L.F. paints.
Gypsum boards such as Diamant	Sand down coarse filler and remove the dust. Apply a primer coat of Grundol and sealing coat of Aton Sperrgrund / Atonol. If there is a danger of possible yellowing (observe BFS Code of Practice No. 12), application of a second sealing coat of Aton Sperrgrund / Atonol is necessary.
Gypsum drywall boards	Apply a Grundol primer coat for highly absorbent substrates
Concrete	Remove traces or release agent (e.g. formwork oil), seal small flaws and cavities with Multi-Finish. Apply a primer coat with Raumklima Farbe E.L.F. or Silikatweiss E.L.F. paints.
Firmly adhering dispersion paint and dispersion silicate based paint	Apply without primer coat
Wood-chip or fleece wallpaper	Barrier coat with Aton Sperrgrund barrier coating
Chalking or sanding surfaces	Primer coat with Grundol
Non-stable paint layers	Remove completely
Areas with nicotine stains, soot or grease spots	Wash off stains with water using grease-free cleaning agents and allow to dry. Sealing coat with Aton Sperrgrund / Atonol.
High-contrast substrates	After successful pre-treatment and drying, apply a full coverage paint coat of Silikatweiss E.L.F. or Raumklima Farbe E.L.F. paint.

For pigmented Raumklima Spritzputz and on substrates with varying suction properties, an additional primer coat with Raumklima Farbe E.L.F., Intol E.L.F. or Silikatweiss E.L.F. in the corresponding colour shade is required.

Preparation

Check 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 remove loose parts, 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.

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 Raumklima Spritzputz spray plaster and/or check for the required primer and preliminary coats. Preparation of the substrate in accordance with the Substrate and pretreatment table. Allow primer coats to dry for at least 12 hours before continuing work.

Caution Please consult the product data sheets of the corresponding SPRINT products for application of the Raumklima Spritzputz spray plaster on products with SPRINT technology.

Machines / equipment

For smaller surfaces, application with a hopper gun is recommended and for larger surfaces, a conveying pump such as the PFT SWING is recommended. Feed pump PFT SWING

- PFT air compressor K2N 4 to 6 bar
- PFT air compressor C4-2 D4-3
- Mortar hoses Ø 25 mm
- Wet mortar pumping distance maximum 15 m
- Nozzle 4 mm

Application

Raumklima Spritzputz spray plaster is ready-to-use and only requires stirring briefly with an electric quirl before application. The consistence can be adjusted by the addition of a little water up to a maximum of 2 %.

The application of Raumklima Spritzputz spray plaster is performed in two stages. Raumklima Spritzputz spray plaster is applied by machine in circular motions as a base to the entire surface and in a further stage as wet plaster on wet plaster.

Application temperature / climatic conditions

Do not apply material at air and / or substrate temperatures below +5 °C and above +30 °C. Protect fresh mortar from frost and rapid drying.

Drying time

Raumklima Spritzputz spray plaster is touch dry at +20 °C and 65 % relative humidity after approx. 4 – 6 hours. Fully dry and ready-to-use after at least 3 days. The times are extended at lower temperatures and/or higher levels of air humidity.

Cleaning

Clean the equipment and tools with water immediately after use.

Notes

Plaster must be applied according to EN 13914-2, DIN V 18550 and DIN 18350, VOB part C as well as the generally recognized building engineering rules and valid guidelines.

Minor differences in colour shades can result due to the use of natural aggregates. The colour shade should be verified before application. When using pigmented Raumklima Spritzputz spray plaster on optically connected plastered surfaces, only apply materials with the same batch number or mix together materials from different batches. When reordering, always state the consignment number of the previous delivery.

Coatings

As a mineral binder is used, even when care is taken during application, differences in the colour hue or a different degree of gloss, particularly with thin-layer or scratched renders, cannot be excluded. These features, however, in no way impair quality and shall not provide any justification for claims in respect of the material as they stem from uncontrollable physical conditions at the site and they can be equalized by application of a coating. A 100% colour uniformity between the finishing render and the coating as well as on the Knauf colour shade selector card cannot be guaranteed due to the different pigmentations. Differences in the colour hues even with the same colour shade cannot be fully ruled out.

Finishing plasters must be fully hardened and dry before the coatings are applied. To ensure a homogeneous colour shade, pigmented finishing plasters should additionally be applied in the interior with a Raumklima Farbe E.L.F. paint that is optimally matched to the Raumklima Spritzputz spray plaster. White finishing plasters used in interior applications can be painted with Raumklima Farbe E.L.F. paint.

Technical data

Description	Standard	Unit	Raumklima Spritzputz
Reaction to fire	EN 13501-1	Category	A1
Water vapour transmission rate	EN ISO 7783	Category	V ₁
Bond strength	EN 1542	MPa	≥ 0.3
Thermal conductivity λ _{10, dry, mat}	EN 1745	W/(m·K)	0.5
Diffusion-equivalent air layer thickness s _d	EN ISO 7783	m	< 0.01

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

Material requirement and efficiency

Application	Consumption kg/m ²	Yield m ² /bucket
Hopper gun	0.95	21.0
Conveying pump	0.95	21.0

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

Product range

Description	Package kg	Packaging unit Buckets/pallet	Material number	EAN
Raumklima Spritzputz	20	24	00209630	4003982216663
	20 (pigmented)	24	00209631	4003982216670

Please refer to the Farbcenter (colour center) for possible colour shades (German only) at:

knauf-farbcenter.de

Sustainability and environment

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



Observe safety data sheet!

For safety data sheets and CE marking see pd.knauf.de



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Technical Advisory Service:

▶ knauf-direkt@knauf.com

▶ www.knauf.de

Knauf Gips KG Am Bahnhof 7, 97346 Iphofen, Germany

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