

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.



Plaster & Façade Systems

P204a.de

Product Data Sheet

2023-03

Rotkalk Filz 05 and 1

Fine marble sponged plaster

Product description

Rotkalk Filz 05 and 1 is a lime plaster finishing coat for fine sponged or freely-textured surfaces in interiors.

Composition

Hydrated lime, white cement, graded marble grains, water-retaining additives and alkaline resistant colour pigments

Storage

Store the bags on wooden pallets in a dry environment.

The product can be stored for at least 12 months.

Quality

In compliance with EN 998-1, the product is subject to initial type testing and continuous factory production control and bears the CE marking.

Properties and added value

- Coloured rendering mortar CR acc. to EN 998-1
- Compressive strength category CS I acc. to EN 998-1
- For interiors
- For machine or hand application
- Regulates moisture and is diffusion permeable
- Highly alkaline, and acts as a preventative measure against health hazards posed by the formation of mould and mildew
- Graining 0.5 – 1.0 mm
- Colour shade white (approximately RAL 9016)



www.baubiologie-ibr.de/en

Fine marble sponged plaster

Field of application

Finishing coat in interiors for the creation of sponged textures, e.g. with the Rotkalk fine sponge float. As a mineral finishing coat for sponge finished surfaces on

- Rotkalk Grund and Rotkalk Fein in interiors
- Lime-cement plasters in interiors
- Gypsum plasters
- Gypsum boards and plaster blocks

Application

Substrate and pretreatment

Substrate	Pretreatment
Rotkalk Grund basecoat and Rotkalk Fein	None
Lime-cement plasters such as UP 210, UP 210s, Lumit, Gigamit	None
Gypsum plasters or gypsum lime plasters such as MP 75 L, MP 75 G/F Leicht, MP 75 Diamant, etc.	Prime with Quarzgrund Pro primer
Gypsum boards	Sand down coarse filler and remove the dust. Apply a primer coat of Grundol and barrier coat of Aton Sperrgrund. If there is a danger of possible yellowing (observe BFS Code of Practice No. 12), application of a second coat of Aton Sperrgrund barrier coating is necessary.
Gypsum wallboards	For absorbent substrates, apply a primer coat of Grundol and a coat of Quarzgrund Pro primer.

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 remove loose parts ensuring that the surface is smooth. Cover easily-soiled building components before commencement in accordance with Code of Practice "Ablebe- und Abdekarbeiten für Maler- und Stuckateurarbeiten" (German only) issued by the German Bundesverband Ausbau und Fassade.

Preparation of the substrate in accordance with the table "Substrate and pretreatment". 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.

Machines / equipment

PFT screw pump G4

- Stator D4-3
- Rotor D4-3
- Mortar hoses Ø 25 mm
- Pumping distance up to 40 m

Mixing

Mixing by hand

Mix the content of one bag with 7.5 litres of clean water without further additions until an application-ready lump-free consistence is achieved. When mixing, use clean water and do not add other additives.

Mixing by machine

For machine application using mixing pumps, e.g. PFT G4, set the desired consistence by adding water.

Application

After the basecoat has dried for at least 2 weeks and successful application of the screed, apply / spray on the mortar and work to grain size with a trowel without skips / flaws. On the area that has set apply a second layer of Rotkalk Filz and sponge immediately, e.g. with the Rotkalk Schwammscheibe Fein fine sponge, without the addition of water.

On freely textured surfaces, and depending on the desired texture finish, apply/spray on approx. 3 to 5 mm of plaster, smoothen with a trowel and texture immediately using the desired tool (sponge float, trowel, brush, roller etc.).

Do not re-smoothen surfaces already smoothened, brush if required. Always complete visually unified surfaces on the same day.

Application temperature / climate

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.

Cleaning

Clean the machines and tools with water immediately after use.

Note	Plaster must be applied according to EN 13914-2, DIN 18550-2 and DIN 18350, VOB part C as well as the generally recognized building engineering rules and valid guidelines. For surface finishing, observe the code of practice from the German Bundesverband der Gipsindustrie e. V. "Putzoberflächen im Innenbereich - Plaster surfaces in interiors" (German only).
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Notes	<p>Using sponge finishing, particularly for pigmented materials as well as due to processing, consistency, weather-related or drying condition factors, it is possible that a uniform colour hue may not be achieved. 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.</p> <p>A 100% colour uniformity between Rotkalk Filz and Rotkalk-Farbe paint as well as on the Knauf colour shade selector card cannot be guaranteed due to the different pigmentations. Minor differences in the colour hues even with the same colour shade cannot be fully ruled out.</p> <p>Heating in rooms should only be put into operation in stages. Rapid dehumidification, e.g. using dehumidifiers should be avoided.</p> <p>If Rotkalk Filz is applied as a single layer and sponged, it is possible that you will have smooth areas and the substrate may shimmer through.</p>
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Coatings and linings

Rotkalk Filz must be fully hardened and dry before the coatings are applied.

To ensure a homogeneous colour shade, additionally apply pigmented finish coats with the Rotkalk Farbe E.L.F. paint that is optimally matched to the Rotkalk system.

Technical data

Description	Standard	Unit	Rotkalk Filz 05 and 1
Reaction to fire	EN 13501-1	Category	A1
Graining	–	mm	0.5 / 1.0
Compressive strength	EN 1015-11	Category	CS I
Bond strength	EN 1015-12	N/mm ²	≥ 0.08
Failure pattern		–	A, B or C
Capillary water absorption	EN 1015-18	Category	W0
Water vapour permeability μ	EN 1015-19	–	≤ 10
Thermal conductivity λ _{10, dry, mat} at P = 50 %	EN 1745	W/(m·K)	≤ 0.82
P = 90 %		W/(m·K)	≤ 0.89

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

Material requirement and efficiency

Product name	Graining mm	Consumption approx. kg/m ²	Yield approx. m ² /bag
Rotkalk Filz 05	0.5	1.6	15.6
Rotkalk Filz 1	1.0	2.0	12.5

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 range

Product name	Application	Graining	Packaging unit	Material number	EAN
Rotkalk Filz 05	25 kg	0.5 mm	42 bags / pallet	00763491	4003950142789
	25 kg pigmented			00763495	4003950142819
Rotkalk Filz 1	25 kg	1.0 mm		00763505	4003950142840
	25 kg pigmented			00763511	4003950142871

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	Not relevant
Solvent and softener free acc. to VdL-RL01	Not relevant
Available certificates	IBR



Observe safety data sheet!

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



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▶ knauf-direkt@knauf.com

▶ www.knauf.de

Knauf Gips KG Am Bahnhof 7, 97346 Iphofen, Germany

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