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.
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Plaster and Façade Systems
P5601_DSP.de

Noblo Filz

Fine grain sponged and floated render with marble grains

Product Data Sheet *2025-03*

Product description

Mineral-based, fine grain finishing render with brilliant white marble grains for elegant and fine sponged surfaces. An elegant and fine floated render texture can be created with Noblo Filz. A diverse range of textures can be achieved by use of various tools.

Composition

Hydrated lime, white cement, marble grains, water-retaining and water-repellent additives, and lightfast and alkaline resistant mineral colour pigments, if required.

Storage

Store the bags on wooden pallets in a dry environment. The product can be stored for at least 12 months. Re-bag damaged bags and use first.

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. Furthermore, the product is subject to external monitoring as a final layer in WARM WALL systems.

Properties and added value

- Coloured rendering mortar CR acc. to EN 998-1
- Compressive strength category CS II acc. to EN 998-1
- Biocide-free
- For interior and exterior application
- Water-repellent
- Application in the plinth area
- For machine or hand application
- Graining 1.0
- White (approx. RAL 9003)
- Can be coloured subject to limitations in colour shades for mineral-based finishing coats compliant to the Knauf ColorConcept colour-shade selector card

Field of application

As a mineral finishing coat:

- On Knauf WARM WALL systems
- On lime, lime-cement and cementitious basecoats with reinforcement plaster layer in exteriors
- On lime, lime-cement and cementitious basecoats or reinforcement plaster in interiors
- On gypsum plasters
- On gypsum boards and plaster block

Note	Based on decades of experience with Knauf SM technology, the special fibre reinforcement provides the highest levels of security. The special SM fibre technology facilitates Noblo Filz on SM700 Pro or SM300 to be applied using a simple reinforcement mesh on Knauf WARM WALL systems. On basecoats in exteriors a reinforcement plaster with full surface mesh insert is necessary.

Application

Substrate and pretreatment

Substrate	Pretreatment
Lime, lime-cement and cementitious basecoats	Use Isogrund if required
Reinforcement render	Use Isogrund if required
Restoration plasters/renders	None
Gypsum and gypsum lime renders	Prime with Quarzgrund Pro/ Raumklima Grundierung[1)]
Smooth concrete, prefabricated concrete units	Prime with Quarzgrund Pro/ Raumklima Grundierung[1)]
Gypsum boards	Remove the dust and treat the sanded surfaces with Grundol if necessary. Pretreatment with Aton Sperrgrund barrier coating.
Plaster blocks	With absorbent substrates apply a primer coat of Grundol and a coat of Quarzgrund Pro / Raumklima Grundierung primer[1)]

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

1) *Drying time until subsequent application of Quarzgrund Pro/Raumklima Grundierung primer approx. 2 hours.*

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 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 Abdeckarbeiten für Maler- und Stuckateurarbeiten - *Masking and covering for painting and stucco work*" (German only) issued by the Bundesverband Ausbau und Fassade. Protect weather-exposed surfaces from precipitation and direct sunlight.

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

Knauf PFT mixing pump G 4

- Stator D4-3
- Rotor D4-3
- Mortar hoses Ø 25 mm
- Wet mortar pumping distance up to 30 m

Mixing

Mixing by hand

Thoroughly mix the content of one bag with 6.2 litres of clean water without further additions until an application-ready lump-free consistence is achieved.

Mixing by machine

For machine application using mixing pumps, e.g. PFT G4, set the desired consistence by adding water. Prelubricate the hoses with wallpaper paste and fill them successively.

Application

Sponged render

Apply Noblo Filz 1.0 in grain thickness to the full surface with a stainless steel tool. In case of application by machine, spray on a thin layer of material and rule with a stainless steel tool. Allow Noblo Filz to touch dry and subsequently apply the 2nd layer in grain thickness using the Rotkalk sponge float fine to sponge finish as a sponged render.

Floated render

Apply Noblo Filz 1.0 in grain thickness to the full surface with a stainless steel tool. In case of application by machine, spray on a thin layer of material and rule with a stainless steel tool. Allow Noblo Filz 1.0 to touch dry and subsequently apply the 2nd layer in grain thickness and manufacture of a fine floated render finish by working with a PVC trowel.

Freely styled texture

Depending on the required texture, apply approx. 3 to 5 mm of mortar and model/texture with a suitable stainless steel tool (e.g. sponge float, trowel, brush, etc.).

Note	Work fresh-in-fresh, do not re-smoothen surfaces already smoothened. Always complete visually unified surfaces in one working step on the same day. Do not use a range of different tools to avoid differences in the colour and textural effects. Work simultaneously at all scaffolding levels with offset scaffolding levels.

Reinforcement

It is a proven method for minimising the risk of plaster cracks and corresponds with the generally recognized building engineering rules, when a reinforcement plaster with a full surface mesh is applied in the exterior area on a lightweight plaster. Refer to the "Leitlinie für das Verputzen von Mauerwerk und Beton - Guidelines for plastering masonry and concrete" issued by the VDPM e. V. (German only). The exceptions to this case are Gigamit and Sockel Gigamit with a full surface mesh insert.

For WARM WALL systems and a luminosity < 25, an additional embedded mesh layer is to be applied in the basecoat. A basecoat layer of approx. 2 mm thickness should be ensured between the mesh reinforcement layers.

Plinth application

The render system must be protected against the ingress of moisture at the connection to the lower edge. The required plaster sealing or the necessary moisture protection must be applied up to at least 5 cm above the edge of the ground line or top edge of the covering. In the lower edge, this is recommended for application up to the existing building sealing. As a plaster seal / moisture protection, apply Sockel-Dicht in a layer thickness of at least 1.2 mm (dry layer thickness min. 1 mm). When sufficiently dry, apply a protective layer against damage (e.g. fleece laminated dimpled sheet and slip membrane).

Application temperature / climate

Do not apply with air, component and/or substrate temperatures below +5 °C and ensure that temperature does not fall below this temperature until the plaster has hardened sufficiently. Furthermore, the temperature should not exceed +30 °C during application.

In order to prevent rapid dehumidification of the fresh plaster by the exposure to direct sunshine (high surface temperatures), and/ or strong wind (danger of cracks, reduction in strength) suitable protection measures / treatment (e.g. protective nets, keeping moist) are required.

Cleaning

Clean the equipment and tools with water immediately after use.

Notes	Renders must be applied according to EN 13914, DIN 18550-1 or alt. DIN 18550-2, DIN 55699, DIN 18345 and DIN 18350 as well as the generally recognized building engineering rules and valid guidelines. The mineral finishing plaster offers some protection against algal and fungal growth and has an inhibiting effect due to its natural alkaline formulation. No guarantee can, however, be given for long-term protection against algal and fungal growth. The susceptibility depends on the local and environmental conditions. Heating in rooms should only be put into operation in stages. Rapid dehumidification, e.g. using dehumidifiers should be avoided.

Coatings and linings

Paints

Finishing renders must be fully hardened and dry before paint coats are applied.

An additional coating in the plaster colour shade with Siliconharz-EG-Farbe paint or MineralAktiv Fassadenfarbe paint is recommended for exterior applications after a drying time of at least 7 days when pigmented plasters are used (for WARM WALL systems with white finishing plasters also) (refer to the Code of Practice “Egalisationsanstriche auf Edelputzen” of the Verband für Dämmsysteme, Putz und Mörtel e.V. (VDPM) (German only). In case of white finishing renders which are to be pigmented in exteriors, a double coat of Knauf Fassadenfarbe façade paint is recommended. At a luminority < 20, a reflection-optimized paint coat using Fassadol TSR or Autol TSR should be applied to the white finish coat.

In interiors, white finshing coats can be painted and pigmented finishing coats should be painted using Knauf interiors paints.

Notes	When mineral finishing plasters are applied, it is possible that a uniform colour hue may not be achieved or a difference in the degree of gloss may occur on the plaster surface due to processing, consistency, weather-related or drying condition factors. 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. The colour effect is influenced by lighting effects on the surface, exposure to weather and drying conditions. We recommend that you create some test areas to determine the exact colour effect.

Technical data

Description	Standard	Unit	Noblo Filz
Reaction to fire	EN 13501-1	Class	A2-s1, d0
Graining	–	mm	1.0
Compressive strength	EN 1015-11	Category	CS II
Water vapour diffusion resistance μ	EN 1015-19	–	≤ 20
Thermal conductivity $\lambda_{10,dry,mat}$ at P = 50 % P = 90 %	EN 1745	 W/(m·K) W/(m·K)	 ≤ 0.82 ≤ 0.89
Capillary water absorption	EN 1015-18	Category	W_c 2

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

Material requirement / efficiency

Graining mm	Coat thickness mm	Consumption approx. kg/m²	Yield approx. m²/bag
1.0	2.0	3.2	7.8

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

Noblo Filz	Application	Packaging unit	Material number	EAN
1.0 mm	25 kg	42 bags / pallet	00741439	4003950140853
	25 kg pigmented		00741440	4003950140884

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