

Note on English translation / Hinweise zur englischen Fassung

This is a translation of the technical 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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P561.de



Plaster and Façade Systems

2013-09

Knauf Noblo

Floated render with marble grains

Product description

Mineral finishing coat with floated render texture in 1.5 / 2 / 3 mm grain size with marble grains for restrained/elegant textures in interior and exterior applications.

Composition

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

Order information

30 kg bag

- Grain size 1.5 mm Material No. 00020630
- Grain size 2.0 mm Material No. 00015098
- Grain size 3.0 mm Material No. 00014535
- Coloured (colour shade selector card Knauf ColorConcept) Material No. 00014537

Storage

Store the bags on wooden pallets in a dry environment. Can be stored for at least 12 months.

Quality

In compliance with DIN EN 998-1, the product is subject to initial type testing and continuous factory production control and is marked with the CE marking. Furthermore, the product is subject to external monitoring and is thus authorized to bear the Ü marking.

Field of application

For manufacture of a restrained floated render finish by working using a PVC trowel or stainless-steel trowel. Sponge floating produces a coarser more rustic texture finish.

As a mineral finishing coat

- on Knauf WARM WALL systems
- on lime, lime-cement and cementitious renders both indoors and outdoors,
- on gypsum plasters,
- on gypsum boards and plaster block.

Properties

- Coloured rendering mortar CR acc. to DIN EN 998-1
- Compressive strength category CS II acc. to DIN EN 998-1
- Mortar group P II acc. to DIN V 18550
- Suitable for interior and exterior application
- Water-repellent
- For machine or hand application
- Reaction to fire A1
- Grain size 1.5 / 2 / 3 mm
- Colour shade white (similar to 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.

Application

Substrate	Pre-treatment
Basecoat reinforcement mortar such as SM700 Pro, SM300, Lustro	None.
Lime-cement light plasters such as Super Lupp, LUP 222	Isogrund if required.
Lime-cement and cementitious plasters such as UP 210(s), Sockel LUP, UP 310	Isogrund if required.
Restoration plasters such as Stens Hell or Popo	None.
Gypsum plasters or gypsum lime plasters such as MP 75 L, MP 75 G/F Leicht, MP 75 Diamant, etc.	Quarzgrund.
Concrete	Quarzgrund.
Non-stable paint layers	Remove completely. Primer coat with Grundol.
Firmly adhering coatings and stable old plasters (level)	Aton Sperrgrund, apply Grundol primer with absorbent substrates.
Gypsum boards	Sand down coarse filler and remove the dust. Apply a primer coat of Grundol and sealing 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 is necessary.
Gypsum drywall boards	With absorbent substrates apply a primer coat of Grundol and a coat of Quarzgrund.

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 § 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 Abdekarbeiten für Maler- und Stuckateurarbeiten" issued by the Bundesverband Ausbau und Fassade. Protect weather-exposed surfaces from precipitation and direct sunlight.

Substrate pre-treatment according to the pre-treatment table. Preliminary coatings/primers must dry for at least 12 hours before the next coat is applied.

All substrates must be stable, dry, even and free of grease and dust as well as free of any residue that may reduce adhesion. Basecoats and adhesive must be fully dry and set before the application of Noblo.

Mixing

Machine application:

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

Application by hand:

Mix the content of one bag with 8.5 litres of clean water without further additions until application-ready lump-free consistency is achieved. When

mixing, use clean water and do not add other additives. Clean the machines and tools with water immediately after use.

Application

Apply / spray on the plaster and strike off with a trowel to grain thickness and immediately work to the required texture using your chosen tool (PVC trowel, foam rubber or polystyrene disc). Work fresh-in-fresh, do not re-smoothen surfaces already smoothened. Always complete visually unified surfaces on the same day.

Plinth application

After drying out, all rendered surfaces in contact with ground or gravel beds shall be waterproofed/protected against moisture ingress, starting from

basement wall waterproof barrier up to approx. 5 cm above ground level, in accordance with DIN 18195. For this purpose, Sockel-Dicht (plinth sealing) can be applied with a thickness of at least 2.5 mm (double layer). Cover with a fleece laminated dimpled sheet after drying.

Reinforcement

An additional full surface reinforcement layer with SM700 Pro, SM300 or Lustro is recommended for exterior façades and WARM WALL systems with freely textured, brushed surfaces or textured plasters where the grain size is less than 2 mm (in acc. with DIN 18350, VOB part C, < 3 mm). With a double reinforcement layer, a basecoat of approx. 2 mm thickness should be applied between the reinforcement mesh layers.

For exterior and interior plasters, with a change of material in the background, with insulation panels applied over small areas and multi-layer wood wool slabs etc., apply Knauf basecoat mesh in the upper third of the plaster layer with at least 100 mm joint overlay and 200 mm overlap on all sides to the flanking component or apply an additional full-surface mesh reinforcement with SM700 Pro, SM300 or Lustro. Apply diagonal reinforcement at corners, on building openings, etc.

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

Application temperature/climate

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

Special notes

Plaster must be applied according to DIN EN 13914, DIN V 18550, DIN 18345, DIN 55699 and DIN 18350, VOB part C as well as the generally recognized building engineering rules

Reinforcement in dependence on the basecoat and luminosity of the final coating

Basecoat	Graining mm	Luminosity of the final coating				
		100 to 30	29 to 25	24 to 20	19 to 15	14 to 10
SM300	1.5	●	●	○○	○○	-
SM300	2.0-3.0	●	●	●	○○	-
Lustro	1.5	●	●	○○	○○	-
Lustro	2.0-3.0	●	●	●	○○	-
SM700	1.5	●	●	○○	○○	-
SM700	2.0-3.0	●	●	●	○○	-
SM700 Pro	1.5	●	●	○○	○○	-
SM700 Pro	2.0-3.0	●	●	●	○○	-
All basecoats	1.5	●	●	●	○○	-
All basecoats	2.0-3.0	without	without	without	●	○○

Reinforcement: ● single layer ●● double layer ○○ double layer, only small surfaces, larger surfaces on request

Application

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. Vulnerability to attack depends on local site conditions and the prevailing environmental conditions. Heating in rooms should only be put into operation in stages. Rapid dehumidification, e.g. using dehumidifiers should be avoided. The information stated here does not release the purchaser from their own examination and tests with regard to the suitability for the intended purpose. A guarantee of the general validity of all the information stated is excluded due to the different application and on-site conditions.

Safety instructions and disposal

See Safety Data Sheet.

Coatings

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 render 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 paint coat. A 100% colour uniformity between the finishing plaster and the coat of paint 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. Observe Code of Practice no. 26 "Farbveränderungen von Beschichtungen im Außenbereich - "Colour changes in exterior coatings" of the Bundesausschuss Farbe und Sachwertschutz (Federal Paint and Property Protection Committee).

Finishing plasters must be fully hardened and dry before the paint coats are applied. An additional paint coat in the render colour shade with Siliconharz-EG-Farbe is recommended for exterior applications after a drying time of at least 7 days when coloured renders are used (with WARM WALL systems with white finishing plasters also) (refer to the recommendations of the Industrierverband Werkmörtel e.V. - Equalization paint coats on finishing renders). For white exterior plasters which are to be coloured, after a Grundol primer is applied, two coats of Autol (silicon resin façade paint), Minerol (silicon resin façade paint) or Fassadol (siloxane-reinforced façade paint) are recommended.

White finishing top coats used in interior applications can be painted with Rotkalk Farbe E.L.F. (silicate based dispersion paint), Diamantweiss E.L.F. (silicate based dispersion paint), Diamantweiss E.L.F. (hybrid-paint), Intol E.L.F. (interior dispersion paint) and Malerweiss E.L.F. (interior dispersion paint). In interior applications, paint coloured finishing top coats with Rotkalk Farbe E.L.F. (silicate based paint) or Intol E.L.F. (interior dispersion paint).

Technical data

DIN EN 998-1

Reaction to fire:	A1	DIN EN 13501-1
Grain size:	1.5 / 2.0 / 3.0 mm	
Compressive strength (category):	CS II	DIN EN 1015-11
Water vapour diffusion resistance μ :	≤ 20	DIN EN 1015-19
Thermal conductivity $\lambda_{10, dry, mat}$:	$\leq 0.82 \text{ W/(m}\cdot\text{K)}$, at P=50 % $\leq 0.89 \text{ W/(m}\cdot\text{K)}$, at P=90 %	DIN EN 1745
Capillary water absorption (category):	W 2	DIN EN 1015-18

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

Material requirement / efficiency

Grain size mm	Coat thickness mm	Consumption kg/m ²	Yield m ² /bag
1.5	1.5	2.3	13.0
2.0	2.0	3.0	10.0
3.0	3.0	3.7	8.1

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

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