

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

P561S.de

Product Data Sheet

2023-07



NOBLO 600 SPRINT

Quickly reworkable floated render with marble grains

Product description

Quickly reworkable mineral finishing coat with brilliant white marble grains. As a system component of the SPRINT technology, the coat can be applied as early as the following day with MineralAktiv Fassadenfarbe paint or NOBLO 600 SPRINT can be applied the following day on SM600 SPRINT. As a finishing render for fine or subtle-elegant floated render, scratch render or grain-on-grain texture. A diverse range of textures can be achieved by use of various tools.

Composition

White cement, graded marble grains, mineral lightweight aggregate, water-retaining and water repellent additives, mortar 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 6 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.

Properties and added value

- Coloured rendering mortar CR acc. to EN 998-1
- Compressive strength category CS II acc. to EN 998-1
- With integrated SPRINT technology
- Biocide-free
- For interior and exterior application
- Application in the plinth area
- For machine or hand application
- Graining 2.0 and 3.0 mm
- 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

Quickly reworkable floated render with marble grains

Field of application

As a mineral finishing coat as soon as the following day:

- On SM600 SPRINT

As a mineral finishing coat after the normal drying times:

- On lime, lime-cement and cementitious basecoats or reinforcement plaster
- On gypsum plasters
- On gypsum boards and plaster block

Application

Substrate and pretreatment

| Substrate | Pretreatment |
|---|---|
| SM600 SPRINT | None |
| Lime, lime-cement and cementitious basecoats | Use Isogrund if required |
| Reinforcement plaster | Use Isogrund if required |
| Restoration plasters | None |
| Gypsum and gypsum lime plasters | Quarzgrund Pro / Raumklima Grundierung primer ¹⁾ |
| Smooth concrete, prefabricated concrete units | Quarzgrund Pro / Raumklima Grundierung primer 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 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 "Abklebe- und Abdeckerarbeiten für Maler- und Stuckateurarbeiten" (German only) issued by the German 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 7.2 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

Apply mortar in grain thickness to the full surface with a suitable stainless steel tool. In case of application by machine, spray on a thin layer of material and rule with a suitable stainless steel tool. Texture uniformly or model using a PVC trowel, foam rubber disc or polystyrene disc float.

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.

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). A protective layer with slip membrane (e.g. fleece laminated dimpled sheet) should be provided on the construction as protection against damage after drying.

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.

Note

Occasionally, small pore formations may occur due to the interaction of various factors (low temperatures and stagnant air) caused by the short drying time. After the general application of MineralAktiv Fassadenfarbe paint, the pores are filled by the paint.

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| Notes | <p>Plaster must be applied according to EN 13914, DIN 18550 and DIN 18350 well as the generally recognized building engineering rules and valid guidelines.</p> <p>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.</p> <p>Heating in rooms should only be put into operation in stages. Rapid dehumidification, e.g. using dehumidifiers should be avoided.</p> |
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Coatings and linings

Paints

At temperatures $\geq +5$ °C, a coat of MineralAktiv Fassadenfarbe paint can be applied as early as the following day.

In the case of white or pigmented finishing plasters, apply at least one additional coat in the same colour as the plaster, and in the case of white pigmented finishing renders, apply two coats of MineralAktiv Fassadenfarbe paint.

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| Caution | <p>In case of following coatings of NOBLO 600 SPRINT with other finish paints than MineralAktiv Fassadenfarbe paint, the general drying times must be observed. See Code of Practice "Egalisationsanstriche auf Edelputzen - <i>Equalization coats on finishing plasters</i>", issued by the German Verband für Dämmsysteme, Putz und Mörtel e.V. (VDPM), (German only).</p> |
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| Notes | <p>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.</p> <p>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 coat of MineralAktiv Fassadenfarbe paint.</p> <p>A 100% colour uniformity between the finishing render and the paint coat of MineralAktiv Fassadenfarbe or 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.</p> |
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Technical data

| Description | Standard | Unit | NOBLO 600 SPRINT |
|---|------------|--------------------|----------------------------|
| Reaction to fire | EN 13501-1 | Category | A1 |
| Graining | – | mm | 2.0 / 3.0 |
| Compressive strength | EN 1015–11 | Category | CS II |
| Water vapour diffusion resistance μ | EN 1015-19 | – | ≤ 20 |
| Thermal conductivity $\lambda_{10, \text{dry, mat}}$ at P = 50 % P = 90 % | EN 1745 | W/(m·K) W/(m·K) | ≤ 0.45 ≤ 0.49 |
| 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 and efficiency

| Graining mm | Coat thickness mm | Consumption approx. kg/m ² | Yield approx. m ² /bag |
|----------------|----------------------|--|--------------------------------------|
| 2.0 | 2.0 | 2.5 | 10 |
| 3.0 | 3.0 | 3.4 | 7.4 |

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 600 SPRINT | Application | Packaging unit | Material number | EAN |
|------------------|-----------------|------------------|-----------------|---------------|
| 2.0 | 25 kg | 42 bags / pallet | 00739503 | 4003950140198 |
| | 25 kg pigmented | | 00793440 | 4003950144523 |
| 3.0 | 25 kg | | 00793411 | 4003950144523 |
| | 25 kg pigmented | | 00793443 | 4003950144585 |

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

knauf-farbcenter.de



Observe safety data sheet!

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



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youtube.com/knauf



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