

Plaster and Façade Systems

P2201_DSP.de

Universal-Feinspachtel Sprint fine filler

Quickly reworkable cement-based fine filler

Product Data Sheet

2025-04



Product description

Quickly reworkable cement-based fine filler for use on almost all substrates without pretreatment of the substrate for use in interiors and exteriors. Due to the surface application, from almost zero to 5 mm, in some areas up to 50 mm, universal application in interiors and exteriors is possible.

As a system component of the Sprint technology (rapidly reworkable), when applied in thin layers in interiors, subsequent coating with Raumklima products can be applied after approx. 4 to 5 hours. When used as a thin-layer plaster in exteriors, Noblo 600 Sprint or MineralAktiv Fassadenfarbe paint can be applied as a subsequent coat on the following day.

Composition

White cement, limestone powder, water-retaining additives, bonding agents and mortar additives.

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.

Properties and added value

- General-purpose rendering/plastering mortar GP acc. to EN 998-1
- Compressive strength category CS IV acc. to EN 998-1
- Following layers without the generally standard drying times
- Can be smoothed and sanded
- With integrated Sprint technology
- Biocide-free
- For interior and exterior application
- For the façade and plinth areas
- For machine or hand application
- Natural white

Field of application

Creation of smoothed surfaces in all interior rooms of water action classifications W0-I to W3-I acc. to DIN 18534 as well as levelled thin-layer plaster for subsequent following layers. As a thin-layer plaster in exteriors on the plinth and façade surface. Particularly suitable when rapid continuation of the building phase is required.

- On all mineral basecoats and finishing coats
- On all dispersion-based top coats and paints
- Filling of cracks, breaks in the masonry, slots and joints
- Reworking of tiles and as a substrate for tiles
- Creating surfaces of quality levels from Q1 to Q3 smoothed



Application

Substrate and pretreatment

Substrate	Pretreatment
SM600 Sprint	None
Lime, lime-cement and cementitious basecoats	None
Reinforcement render	None
Stable paint coats, old render	None
Stable tiles	Existing sealants (silicone etc.) in the joints must be removed completely. On tiles, e.g. apply Knauf Intensive Cleaner with a sponge or brush. Wash off with clean water after it has had about 5 minutes to act. Pretreatment with Quarzgrund Pro/ Raumklima Grundierung ¹⁾
Masonry	Isogrund
Restoration plasters/renders	None
Gypsum and gypsum lime renders	Quarzgrund Pro/ Raumklima Grundierung primer ¹⁾
Prefabricated concrete units	None
Smooth concrete, prefabricated concrete units	Grundol primer. Avoid glossy spots
Wallboard	Pretreat surfaces with Grundol if required. Pretreatment with Aton Sperrgrund barrier coating.
Plaster blocks	Quarzgrund Pro/ Raumklima Grundierung primer ¹⁾
AQUAPANEL® boards	AQUAPANEL® render primer

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 remove loose parts, ensure 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 – 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

PFT mixing pump G 4 / Ritmo XL

- PFT pump unit D 3-3.5 powercoat for G 4
- PFT water flow meter 31.5 – 315 l/h
- PFT finish coat spray unit 7 mm nozzle
- Mortar hoses Ø 19 mm or Ø 25 mm
- Wet mortar pumping distance up to 15 m

Mixing

Mixing by hand

Thoroughly mix the content of one bag with 7.2 to 8.0 litres of clean water (depending of the application) without further additions until an application-ready lump-free consistence is achieved. After a maturing time of 2 to 3 minutes, it must be stirred again.

Mixing by mixing pumps

For machine application using mixing pumps, e.g. PFT G 4/Ritmo XL, set the desired consistence by adding water to approx. 190 l/h.

Note

Breaks in spraying may not exceed a maximum of 10 minutes. Clean the machine and hoses in case of longer interruptions/breaks. Do not leave the hoses for mortar and water lying in the sun. Do not stir and apply material that has started to harden. Thoroughly clean the machine and hoses after approx. 3 hours of operation.

Mixing with continuous mixer

Mix using a horizontal continuous mixer e.g. PFT Lotus XS and a water flow quantity of approx. 400 l/h. After a maturing time of 2 to 3 minutes, it must be stirred again with an agitator.

Application

After stirring, spread and level with a stainless steel tool. The working time is approx. 45 minutes. Work wet in fresh in case of multiple layers.

Apply and rule Universal-Feinspachtel Sprint fine filler in interiors up to a maximum of 5 mm per work stage. When initial setting has commenced, rule with a feather edge / wide spatula. Depending on the surface quality, the surface can be subsequently re-worked or smoothed again with a wide spatula. Should an additional render layer be required after smoothing, spray on or apply another 1mm after approx. 4 hours. Universal-Feinspachtel Sprint can be skimmed to almost layer thickness zero.

Slots, break-outs, recesses, joints etc. (up to 50 mm) should be filled and sealed with Universal-Feinspachtel Sprint fine filler in a corresponding stiff consistence (depending on the application thickness) before the surface is worked. After a drying time of approx. 2 to 3 hours, the entire surface can be worked with Universal Feinspachtel Sprint fine filler.

In case of layer thicknesses up to 5 mm, the following layer can be applied after about 4 to 5 hours using optimally matched Raumklima products. In case of layer thicknesses > 5 mm the following layer can be applied on the following day.

Apply Universal-Feinspachtel Sprint fine filler in exteriors to stable old plasters/coatings as a thin-layer plaster in a layer thickness of maximum 3 mm and level it. After initial setting has commenced, rule with a feather edge / wide spatula. Depending on the surface quality, the surface can be subsequently re-worked or smoothed again with a wide spatula. Should an additional render layer be required for the surface quality level, spray on or apply another 1mm after approx. 4 hours. In areas at risk of cracking, a reinforcing mesh 4x4 or 5x5 mm must be embedded in the centre of the fresh mortar. Crack-free, stable old finishing plasters / coats where no mesh reinforcement is necessary can be reworked with texture filling (grain covering).

The surface can be sanded off on the following day.

Note

Render thicknesses > 5 mm are only suitable for concrete substrates and cementitious renders (CS IV).

Reinforcement

In case of a change of materials in the plaster substrate, at locations where there is a risk of cracking, where XPS-R insulation boards are installed on a small surface, wood wool lightweight boards, different plaster thicknesses and expected stresses from the basecoat etc., embed reinforcement mesh 4x4 or 5x5 with at least 100 mm joint overlap and 200 mm overlap on all sides to the flanking component in the middle of the fine filler.

If a painter's fleece is used in interiors, ensure that skips/flaws do not occur. Embed the fleece layer directly after application of Universal-Feinspachtel Sprint fine filler. Embed the fleece layer on the entire surface e.g. embed well with a plastic trowel or surface leveller. The layer thickness under the fleece layer may not be less than 1 mm after the fleece is pressed in.

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).

AQUAPANEL® plaster base board in interiors

Fill existing joints (e.g. in the ceiling area) with Universal-Feinspachtel Sprint fine filler and AQUAPANEL® joint tape. Fill in screw heads also.

After the Universal-Feinspachtel Sprint primer has dried, apply a layer thickness of 2 to 3 mm for bonded butt joints without a full-surface mesh insert.

Depending on the required surface quality, Universal-Feinspachtel Sprint fine filler (wet in fresh) can be reworked or resmoothed.

The surface can be sanded off on the following day.

Substrate for tiling

Suitable as substrates for tiles and floor slabs if the weight of the tiles and floor slabs including the thin-bed mortar does not exceed 25 kg/m² and the layer thickness is at least 2 mm. Before application of the tile covering, allow to fully dry and harden for at least 3 days. Use a quick setting Flex-Fliesenkleber tile adhesive. Application with water action classes W0-I to W3-I in accordance with DIN 18534. The waterproofing layer required acc. to DIN 18534 should be matched to the basecoat. We recommend Knauf Sockel-Dicht.

Application temperature / climatic conditions

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	<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 render 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 and finish renders / plasters

In interiors, after approx 4 to 5 hours (haptic test) the following coating using Raumklima products can be undertaken. The maximum layer thickness should not exceed 5 mm. In case of larger layer thicknesses further coating is undertaken on the following day.

1 hour after priming with Knauf Tiefengrund/Grundol primer apply the Raumklima Farbe E.L.F. paint.

1 hour after priming with the fast drying Raumklima Grundierung primer, Raumklima Scheibenputz scraped finish plaster / spray plaster is applied.

On exteriors, Noblo 600 Sprint can be applied in a system with MineralAktiv Fassadenfarbe paint. In case of a further coating on the following day, a maximum layer thickness of 3 mm should not be exceeded.

Caution	<p>In case of usage as a smooth render on exteriors, a second coat with MineralAktiv Fassadenfarbe paint is obligatory.</p> <p>In case of subsequent coating of Universal Feinspachtel Sprint fine filler with other material than Raumklima paint coats, Raumklima finish coat, Noble 600 Sprint and MineralAktiv Fassadenfarbe paint, the normal drying times must be observed.</p>
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Technical data

Description	Standard	Unit	Universal-Feinspachtel Sprint fine filler
Reaction to fire	DIN 13501-1	Category	A1
Compressive strength	EN 1015-11	Category	CS IV
Capillary water absorption	EN 1015-18	Category	W _c 2
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)	≤ 0.82
		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 / efficiency

Coat thickness mm	Consumption approx. in kg/m ²	Yield approx. in m ² /bag
1.0	1.1	18.0
3.0	3.3	6.0
5.0	5.5	4.0


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


Description	Application	Packaging unit	Material number	EAN
Universal-Feinspachtel Sprint fine filler	20 kg	42 bags / pallet	00739551	4003950144622

Sustainability and environment

Short description	Comments	Unit	Value
AgBB scheme	–	–	fulfilled
Complies with the requirements of the French emission class	–	–	A+
EPD Environmental Product Declaration	–	–	EPD-VDP-20230401-IB01-DE
EMICODE	EC1 ^{PLUS}	–	fulfilled

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