

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.

KNAUF

Plaster & Façade Systems

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Product Data Sheet

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MineralAktiv Fassadenfarbe paint

Hybrid façade paint with optimized moisture management

Product description

Structure preserving, mineral façade paint on a hybrid binder basis without addition of softeners, solvents and preservatives.

Composition

Mineral binders, silicone resin emulsion, polymer dispersion, water, titanium dioxide, calcium carbonate, silicate fillers, additives.

Storage

The material can be stored for 18 months in the original container in a cool and frost-free environment. Close opened buckets airtight.

Quality

The product is subject to continuous factory production control and is compliant to EN 1062-1 as well as DIN 18363 section 2.4.1.

Properties and added value

- For exterior use
- Mineral matt appearance
- Optimized moisture management for prevention of algae and mould
- Without biocide formulation
- Highly vapour permeable
- Very high coverage
- Can be diluted with water
- White (approx. RAL 9016)
- Limited colour shading with Knauf ColorConcept colour shade selector card



Field of application

Can be used as an equalizing coat or coating system on all mineral substrates. The optimized moisture management ensures that MineralAktiv Fassadenfarbe façade paint is ideal in preventing growth of algae and mould. MineralAktiv Fassadenfarbe paint has a high yield and an elegant mineral appearance.

MineralAktiv Fassadenfarbe façade paint can be applied cost-effectively thanks to the high hiding power and the ease of application.

MineralAktiv Fassadenfarbe façade paint is suitable for application with a paintbrush, roller and by spray on the following substrates:

- On MineralAktiv Scheibenputz / MineralAktiv Scheibenputz Dry floated renders
- Mineral finishing renders
- Organic finishing renders
- On silicate renders
- Restoration renders
- Old silicate-based paint layers

Application

Substrate and pretreatment

Substrate	Pretreatment
Renders of mortar group P II and P III	Pretreat coarse, porous, sanding, highly absorbent substrates with Grundol.
Limestone facing masonry	Brush off any salt efflorescence when dry
Old or loose lime and dispersion coats	Thoroughly remove by mechanical means and high pressure cleaning and wash off. Prime with Grundol primer if necessary
New mineral-based renders (e.g. MineralAktiv Scheibenputz floated render, Noblo, SP 260 Pro)	Bright to pastel colour shades can be applied without a primer after sufficient drying time (at least 7 days). In case of intensive colour shades, a preliminary coat of Casiol Grund in approximately the same colour shade is recommended.
Mineral based old renders	Knock out the cavities, clean the substrate thoroughly and apply render in accordance with the existing material and texture. Allow the newly rendered areas to dry sufficiently, and if necessary, apply fluosilicate treatment and wash off
Stable, but chalking or sanding surfaces	Pretreat with Grundol. The Tiefengrund primer must be fully absorbed by the surface
Non-stable paint coats	Remove completely

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 Abdekarbeiten für Maler- und Stuckateurarbeiten - Masking and covering for painting and stucco work" (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. Preparation of the substrate in accordance with the table "Substrate and pretreatment". Test the stability and compatibility of existing coats (old plasters and paint coats) before application of MineralAktiv Fassadenfarbe façade paint.

Caution

Please consult the product data sheets of the corresponding SPRINT products for application of the MineralAktiv Fassadenfarbe paint on products with SPRINT technology.

Application

Before work commences, check colour and batch numbers on all buckets as well as the colour shade by sampling (trial coat) to ensure it is correct. Never apply the content from different buckets on a common wall. Mix the contents together in a clean bucket beforehand. When reordering, always state the consignment number of the previous delivery.

Stir the contents of the bucket thoroughly. MineralAktiv Fassadenfarbe façade paint is set ready to use by adding up to 3 % water. Dilute with approx. 5 % water for airless application. Dilution with up to 10 % water is possible as a primer coat. If case of over-dilution the hiding power and the guaranteed properties will be affected.

Apply MineralAktiv Fassadenfarbe façade paint to the render surface (finish/ decorative coat) as a thin, even, edge-free and wet-in-wet coat. Always complete surfaces that can be viewed together on the same day. Always complete a surface once started. Always work so that the transition areas between scaffolding are roll or brush applied wet-in-wet.

Application is undertaken using a paint roller or paintbrush. Large surfaces can have the paint applied with an airless machine provided that impurities and contaminants are not a problem for the paint spray.

Application temperature/climate

Do not apply material at air and/or substrate temperatures below +5 °C and above +30 °C. Protect fresh coats from the effects of moisture, (e.g. from precipitation) and from the effects of rapid water loss, e.g. by exposure to direct sunshine or strong wind, by protecting with suitable measures such as protective nets. Do not apply MineralAktiv Fassadenfarbe façade paint to preheated substrates.

Drying

MineralAktiv Fassadenfarbe façade paint is touch dry at +20 °C and 65 % relative humidity after approx. 8 hours. The times are extended at lower temperatures and/or higher levels of air humidity. A minimum drying time of 12 hours and a maximum of 7 days is necessary between coats. Fully dry and ready-to-use after at least 3 days.

Notes

Paint coats have to be applied according to DIN 18363 VOB part C section 3 as well as the generally recognized building engineering rules and valid guidelines. Work fresh-in-fresh in a single work step to avoid the formation of visible edging.

Differences in the colour shade and surface shading may occur due to different weather-related and building site conditions.

Should dark coloured surfaces be exposed to high mechanical loading, the colour may change at affected locations (crazing). This does not affect the product quality and functionality.

Notes	MineralAktiv Fassadenfarbe paint is free from film preservation against algae and mould. Permanent protection against algae and mould cannot be guaranteed, as the susceptibility depends on the local and environmental conditions.
	In case of dark colour shades a difference in the absorption properties of the substrate with moisture absorption can occur leading to temporary divergences in the colour shade. This effect is fully reversible and not uncommon for mineral-based systems. The effect is usually no longer evident after the coat has dried.

Technical data

Description	Standard	Unit	MineralAktiv Fassadenfarbe paint
Gloss	EN ISO 2813	Category	G3 (matt)
Dry film thickness	EN 1062-1	Category	E3
Grain size	EN ISO 1524	Category	S1 (fine)
Water vapour transmission rate	EN ISO 7783-2	Category	V1 (high)
Liquid water permeability	EN 1062-3	Category	W2 (medium)
Colour shade durability	BFS code of practice no. 26	Category	B
Density	–	g/cm ³	approx. 1.46
Colour shade	–	–	White (approx. RAL 9016)
VOC content	Directive 2004/42/EC, annex II, table A (Limit value product sub-category c: 40 g/l)	g/l	≤ 1

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

Material requirement and efficiency

Substrate	Application	Consumption l/m ²	Yield m ² /bucket	
			12.5 l	5.0 l
Smooth	Single coat	approx. 0.18	approx. 69	approx. 28
Smooth	Double coat	approx. 0.28	approx. 45	approx. 18
Rough	Single coat	approx. 0.25	approx. 50	approx. 20
Rough	Double coat	approx. 0.40	approx. 32	approx. 12.5

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

Product range

Description	Type	Paint	Packaging unit	Material number	EAN
MineralAktiv Fassadenfarbe paint	12.5 l	White	32 buckets / pallet	00525717	4003950101847
		Pigmented	32 buckets / pallet	00525719	4003950101854
	5.0 l	White	68 buckets/pallet	00778805	4003950144028
		Pigmented	68 buckets/pallet	00778813	4003950144080



Observe safety data sheet!

For safety data sheets and CE marking see

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