

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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KNAUF



Plaster and Façade Systems

P239m.de

Product Data Sheet

2021-03



MineralAktiv Scheibenputz floated render

Hybrid floated render with optimised humidity management

Product description

Application-ready, mineral floated render on a hybrid binder basis with optimised humidity management. Without biocide formulation.

Composition

Mineral binder, polymer dispersion, titanium dioxide, silicate fillers, water and additives.

Storage

Protect against frost, high temperatures and exposure to direct sunlight. The material can be stored for approx. 18 months in the original container in a cool and frost-free environment. Close opened buckets airtight.

Quality

In compliance with EN 15824, the product is subject to initial type testing and continuous factory production control and is marked with the CE marking. External monitoring compliant with certification is implemented.

Properties and added value

- Ready-to-use finishing coat acc. to EN 15824
- Suitable for interior and exterior application
- Ready-mixed
- High resistance to weather influences
- Optimised moisture management preventing formation of algae and mould
- Without biocide formulation
- Highly vapour permeable
- For machine or hand application
- Colour shade white (approximately RAL 9010)
- Limited colour shading with Knauf ColorConcept colour shade selector card

Field of application

For manufacture of a floated render finish by working using a PVC trowel. Sponge rubber floating produces a coarser more rustic texture finish.

As a mineral finishing coat

- On Knauf WARM WALL systems
- On lime renders, lime-cement and cementitious renders for outdoors
- To create a fine surface using a double-layer build-up of MineralAktiv Scheibenputz 1.5 and MineralAktiv Scheibenputz 0.5 floated renders.

Application

Substrate and pretreatment

Substrate	Pretreatment
Renders of mortar group P II and P III	Apply a primer coating with Quarzgrund Pro ¹⁾ or Isogrund after a corresponding drying time
Basecoat, e.g. SM 700 Pro, SM 300	When fully dry, but at the earliest after 10 days drying time, primer coat with Quarzgrund Pro
Reinforcement mortar, e.g. Pastol, Pastol Dry	Primer coat with Quarzgrund Pro
Non-stable paint coats	Remove completely
Plaster hollows and cavities	Remove completely and fill with a suitable render, observe the drying times, apply a Quarzgrund Pro primer
Concrete, bonded coats and stable old render layers	Clean with a high-pressure water cleaner until dust-free and allow to dry completely, apply a Quarzgrund Pro primer ¹⁾
Old mineral-based 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

1) When pigmented MineralAktiv Scheibenputz floated render is used, it is recommended that a primer coat of an approximately similar colour shade is used to avoid the substrate shimmering through.

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 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 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. Preparation of the substrate in accordance with the table "Substrate and pretreatment". Allow to dry for at least 12 hours before further applications. 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. Basecoats and adhesive must be fully dry and set before the application of MineralAktiv Scheibenputz floated render. Use of a reinforcing mesh is recommended on the basecoat with MineralAktiv Scheibenputz floated render for graining ≤ 1.5 mm.

Application

The colour shade should be verified before application. When applying pigmented Knauf MineralAktiv Scheibenputz floated render on optically connected plastered surfaces, only apply materials with the same batch number or mix together materials from different batches. When reordering, always state the consignment number of the previous delivery. Knauf MineralAktiv Scheibenputz floated render must be thoroughly stirred using an electric agitator.

a consistent finish. Knauf MineralAktiv Scheibenputz floated render can be machine applied with a conventional fine plastering machine. To avoid fins/protrusions, a sufficient number of workers must be present on every scaffolding level as well as to ensure speedy "fresh-in-fresh" application.

Plinth application

After drying out, all rendered surfaces in contact with ground or gravel beds shall be waterproofed and protected against moisture ingress, starting from basement wall waterproof barrier up to approx. 5 cm above ground level, in accordance with DIN 18533. For this purpose, Sockel-Dicht plinth sealing can be applied with a thickness of at least 2.5 mm (double-layer). Apply a fleece laminated dimpled sheet after drying.

Reinforcement

Partial surface reinforcement / reinforcement in exteriors, change of material, building openings etc.

On thin-layer final coats with a grain size of 3 mm and less, the partial surface reinforcement is undertaken by the application of a reinforcement plaster with reinforcement mesh directly on the masonry with a joint overlap of 200 mm on the undisturbed masonry area. Spread on the reinforcement plaster. Minimum thickness 5 mm.

More information can be found in the "Leitlinie für das Verputzen von Mauerwerk und Beton - Guidelines for plastering masonry and concrete", issued by Industrieverband WerkMörtel e.V. (German only).

An additional full surface mesh reinforcement should always be preferred instead of partial surface reinforcement.

Full surface reinforcement in exteriors

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), mixed brickwork, on sides exposed to weather, critical building geometries, large areas applied with multi-layer wood wool slabs (after a drying time of at least 3 weeks) and insulating layers on XPS-R etc. or with plaster thicknesses of > 30 to 50 mm, an additional full surface mesh reinforcement (reinforcing mesh 4x4 or 5x5 mm) with SM700 Pro, SM300 or Lustro is strongly recommended on the hardened basecoat.

Caution Do not use aluminium tools when stirring, as it will cause discolourations.

The application consistence can be set by adding a small quantity of water if necessary. Knauf MineralAktiv Scheibenputz floated render is applied over the entire surface in grain thickness with a stainless steel trowel, and directly after application it is worked uniformly and without interruption to the desired texture using a hard plastic trowel. The type of tool used influences the surface roughness and it is therefore essential to use the same tool for

Machine equipment

PFT SWING M/L

- Stator: C4-2
- Rotor: C4-2
- Mortar hoses: Ø 25 mm
- Wet mortar pumping distance: Up to 20 m

Application temperature / climate

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

Drying

MineralAktiv Scheibenputz floated render requires protection against the weather for approx. 2 to 3 days until it has set. The drying time will be extended with unsuitable temperatures/air humidity.

Cleaning

Clean the machines and tools with water immediately after use.

Coatings and linings

As a mineral binder is used, even when care is taken during application, differences in the colour hue or a different degree of gloss, particularly with thin-layer or scratched renders, cannot be excluded. 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 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 renders must be fully hardened and dry before the paint coating is applied.

An additional coat of MineralAktiv Fassadenfarbe façade paint is recommended for exterior applications after a drying time of at least 7 days when coloured renders are used (with Knauf WARM WALL systems with white finishing renders also) (refer to the recommendations of the Industrieverband Werkmörtel e.V. - Equalization coats on finishing plasters). For white finishing renders which are to be coloured, a double coat of MineralAktiv Fassadenfarbe façade paint is recommended.

Technical data

Description	Standard	Unit	MineralAktiv Scheibenputz floated render
Reaction to fire	EN 13501-1	Category	A2-s1,d0
Graining	–	mm	0.5 / 1.5 / 2.0 / 3.0
Water vapour permeability	EN ISO 7783	Category	V1 (high)
Water vapour transmission rate	EN ISO 7783	g/m ² -d	> 150
Diffusion-equivalent air layer thickness	EN ISO 7783	m	< 0.14
Water absorption (category)	EN 1062-3	Category	W2 (medium)
Liquid water permeability	EN 1062-3	kg/(m ² -h ^{0.5})	< 0.2
Bond strength	EN 1542	MPa	> 0.3

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

	<p>Renderers 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 and valid guidelines.</p> <p>Knauf MineralAktiv Scheibenputz floated render is manufactured without formulation to control and inhibit growth of algae and fungi. Irrespective of the optimized moisture management, no guarantee can, however, be given for long-term protection against algal and fungal growth. The susceptibility depends on the local and environmental conditions. The information stated here does not release the purchaser from their own examination and tests with regard to the suitability for the intended purpose.</p> <p>A guarantee of the general validity of all the information stated is excluded due to the different application and on-site conditions. Differences in colour shades can result due to the contained natural aggregates.</p>
Notes	

	<p>MineralAktiv Scheibenputz 0.5 floated render on exteriors is only used in conjunction with MineralAktiv Scheibenputz 1.5 floated render to achieve a fine surface finish. For this purpose, MineralAktiv Scheibenputz 1.5 floated render is applied to the basecoat layer, skimmed down to grain thickness and textured with a steel trowel. The substrate must be level and may need application of a levelling compound if required.</p> <p>MineralAktiv Scheibenputz 0.5 floated render is applied and spread evenly after MineralAktiv Scheibenputz 1.5 floated render has set. Any trowel marks that have resulted can be partly equalized by the texturing. A particularly fine surface finish is achieved by applying another thin coat of MineralAktiv Scheibenputz 0.5 floated render and textured after the second coat has dried. Paint with at least one coat of MineralAktiv Fassadenfarbe paint when dry.</p>
Notes	

Material requirement and efficiency

Graining mm	Coat thickness mm	Consumption kg/m ²	Yield m ² /bucket
0.5*	0.5	approx. 0.9	approx. 27.7
1.5	1.5	approx. 2.4	approx. 10.4
2.0	2.0	approx. 3.2	approx. 7.8
3.0	3.0	approx. 4.2	approx. 6.0

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

* Determined values when using MineralAktiv Scheibenputz 0.5 floated render as a second layer on MineralAktiv Scheibenputz 1.5 floated render

Product range

Description	Graining mm	Application kg/bucket	Packaging unit Bucket / pallet	Material number	EAN
MineralAktiv Scheibenputz 0.5*	0.5	25	24	00605531	4003950119927
	0.5	25 (pigmented)		00635114	4003950124655
MineralAktiv Scheibenputz 1.5*	1.5	25		00525684	4003950101748
	1.5	25 (pigmented)		00525688	4003950101779
MineralAktiv Scheibenputz 2.0*	2.0	25		00525685	4003950101755
	2.0	25 (pigmented)		00525691	4003950101786
MineralAktiv Scheibenputz 3.0*	3.0	25		00525686	4003950101762
	3.0	25 (pigmented)		00525692	4003950101793

For available colour shades see the Farbcenter (colour center) (German only) at: www.knauf-farbcenter.de

* Observe the application instructions

Sustainability and environment

Short description	Unit	Value
VOC content acc. to RL2004/42/EC	%	≤ 0.1
VOC content acc. to RL2004/42/EC	g/l	≤ 1
Solvent-free and softener-free acc. to VdL-RL01 (Revision 4)	–	Compliant



Observe safety data sheet!

For safety data sheet see

pd.knauf.de



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youtube.com/knauf



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Knauf Direct

Technical Advisory Service:

▶ knauf-direkt@knauf.de

▶ www.knauf.de

Knauf Gips KG Am Bahnhof 7, 97346 Iphofen, Germany

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