

Orbit-KH-Kratzputz

Ready-to-use texturable synthetic resin-bound render for exterior use with a timelessly elegant scraped texture. Tested in the ALLFAthern-thermal insulation systems.



Product characteristics

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| Properties | <ul style="list-style-type: none"> • Low water absorption w-value 0.2 (W2 according to EN 1062) • High diffusion capability sd-value < 0.1 (V1 according to EN 1062) • Guard-protection against algae and fungal attack of the coating • High resistance to mechanical stress • Elastic • Wide range of colours |
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Areas of application	Exterior only
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| Suitable substrates in detail | <ul style="list-style-type: none"> • ETICS • Concrete, base coats • Sound and solid existing paint layers |
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Material description

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| Binder | Synthetic dispersion |
| Density | Approx. 1.9 kg/dm ³ kg/dm ³ |
| Water vapour permeability | < 0.14 m according to DIN EN ISO 7783 (class V1 as per DIN EN 1062-1) |
| Water absorption coefficient (w-value) | ≤ 0.2 kg/(m ² h ^{0.5}) according to DIN EN 1062-3 (class W2 as per DIN EN 1062-1) |
| Maximum particle size | Up to approx. 1.5 mm, 2 mm, 3 mm and 5 mm |
| Average consumption (short text) | with 1.5 mm approx. 2,500 g/m ² , with 2 mm approx. 3,000 g/m ² , with 3 mm approx. 3,600 g/m ² , with 5 mm approx. 5,200 g/m ² |
| Average consumption | The consumption varies depending on the application technique and the substrate. It is therefore advisable to determine the exact consumption figure by producing a sample area. |
| Colour shade | White |
| Suitable tinting paints | <ul style="list-style-type: none"> • Tinting at the factory • Via the ALLFAcolor tinting machines • Commercially available tinting and full colour paints as well as tinting concentrates. <p>• Please note that with tinted products the specified properties may change.</p> |
| Storage | Cool, but protected from frost |
| Thinning | Water |

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Substrates

Suitable substrates	<ul style="list-style-type: none"> • All usual mineral substrates (renders/plasters, concrete, panels) • Solid mineral and organic existing paint layers • Renderings according to valid ETICS-approvals
Substrate conditions	The substrate must be clean, dry, frost-free, firm and sound as well as free from efflorescences, algae, moss, fungal attack, sinter layers and release agents. Follow the building regulations (in Germany VOB, Part C, DIN 18363, Section 3).
Substrate conditions	<p>Concrete Remove forming oil, grease and wax by washing with surfactant. Remove any sintered layers mechanically. Check the absorbency of the concrete by wetting tests. In addition, the guidelines according to BFS Fact Sheet No. 1 apply.</p> <p>Base renders (exterior): Mineral base renders must be thoroughly cured and dry, because otherwise discolouration, in particular with tinted following coats, may occur. As a rule of thumb assume 1 day drying time per mm of layer thickness, but correspondingly longer at low temperatures and high humidity. Excessive temperatures and low relative humidity also lengthen the setting process. Treat replastered locations with fluosilicate. In addition, the guidelines according to BFS Fact Sheet No. 9 apply.</p>

Application

Application method	Application by spraying or trowel
Spraying data	Apply the material with conveyor devices such as Jäger Record-, Putzmeister-, PTF spraying equipment, with nozzle widths of 6 - 8 mm at 2 mm particle size, 8 - 10 mm at 3 mm particle size and air performance of 500 L / min. Rotor/stator D4-3 1/2 performance
Coating system	Intermediate coating on mineral renderings with Grundierfarbe WP thinned with water at 2:1. With organic substrates the priming coat can be renounced of.
Application	Stir the material well and, if required, add some water to obtain the appropriate working consistency. Then apply with a stainless steel trowel and draw off evenly down to the grain thickness. The desired texture is obtained with the same steel trowel or plastic float with light circular movements. To obtain uniform areas a smooth substrate is required.
Application hints	<p>Do not apply under a glaring sun, during strong wind or on warm substrates. In order to avoid the formation of laps, apply the material wet-on-wet.</p> <p>The following regulations have to be observed and to be complied with during the application: ALLIGATOR application guidelines, the relevant valid building approvals, the current ALLFATHERM application brochure and in Germany BFS Fact Sheet No. 21, DIN 55699 as well as Technical System Information "Compendium ETICS and Fire Protection" published by the professional association Wäremedämmverbundsysteme (ETICS).</p>
Note	<p>Check tinted paint for colour accuracy prior to the application. Objections regarding the colour shade cannot be accepted after the application.</p> <p>The figures given for parameters are average values. Due to the use of natural raw materials in our products, the actual value determined on the individual supplied product may differ slightly without affecting its suitability. These data refer to the white respectively standard product. Tinting may cause deviations.</p>
Practical hints	<p>Masking Works Always use UV-resistant adhesive tapes for exterior works. On completion of the coating, particularly with dispersion paints and / or higher layer thicknesses, immediately remove adhesive tapes, in order to avoid untidy contours.</p> <p>Dark Colour Shades on ETICS Colour shades with a light reflectance value ≥ 20 are possible on ETICS without limitations. On request, darker shades are possible based on a specific TSR-formulation. Please observe the information regarding colour stability with brilliant and intensive hues.</p> <p>New mineral Substrates New mineral substrates may only be coated after setting and drying, not earlier than after 14 days, better after 4 weeks. In unfavourable drying conditions, the waiting period can be prolonged.</p>

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Protection against Algae and Funghi

This product is protected against early algae and fungal attack and does not need to be recoated. For a prolonged cleanliness we recommend however a subsequent double coating with a matching façade paint. According to the state of technology, a durable absence of algae and fungal infestation cannot be ensured.

Horizontal surfaces

Exterior horizontal surfaces such as mural crowns, cornices, windowsills etc. must be professionally protected with appropriate covering material, e.g. from metal or stone, in order to prevent dirt stains and moisture damage of the coating.

Weather Conditions

Do not apply under a glaring sun, during strong wind or on warm substrates. With fresh, primarily tinted mineral coatings, sharp shadows might lead to disturbing colour differences. Protect the fresh coating from moisture. If necessary use protective tarpaulins.

Continuous Surfaces

Before processing on continuous surfaces, especially with tinted material, check for colour consistency or mix the required quantity in advance. In order to avoid laps, apply wet-on-wet.

Temperature limit

Between + 5° C and + 30° C for substrate and ambient air during processing and drying.

The fact sheet "Rendering, thermal insulation, surfacing and coating at high and low temperatures" published by the German Association Construction and Colour should be observed.

Drying time

At + 20° C for substrate and ambient air and 65% relative humidity (RH), rainproof after approx. 5 -6 hours. Final hardness after approx. 20 days. Lower temperature extend the drying time.

Tool cleaning

Immediately after use with water

Information

Hazard statements and safety advice

Harmful to aquatic life with long lasting effects.

According to European Regulations 528/2012 this product is defined as a "treated article" (not a biocidal product) and contains the following biocidal substance: Terbutryn (CAS-No. 886-50-0), zinc pyrithione (CAS-Nr. 13463-41-7), 2-Octyl-2H-isothiazol-3-one (CAS-Nr. 26530-20-1)

Contains: 1,2-benzisothiazol-3(2H)-one, 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.

Declaration of ingredients

Poly acrylate dispersion, titanium dioxide, calcium carbonate, siliceous fillers, water, additives, film protecting agents, preservatives (benzisothiazolinone, methylisothiazolinone)

Observe safety data sheets

Further details: See Safety Material Data Sheet (MSDS)

WHC

1 (weakly water-polluting)

Waste disposal

Only completely emptied containers should be given for recycling. Dispose containers with residues of liquid product via waste collection point accepting old paints and enamels. Dispose dried hardened product residues as construction site/demolition/ municipal or domestic waste.

System specific and system completing products

Tiefgrund LEF

Grundierfarbe WP

Orbit-Hybrid

Orbit-Klassik-Sil

Orbit-Hausfarbe Guard

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This data sheet cannot deal with all types of application arising in practice. Therefore, we cannot be held responsible for their content. These instructions do not release the purchaser / applicator from his responsibility of professionally examining the substrate and determining the suitability of the product in consideration of the project characteristics. In case of queries please request the technical assistance of ALLIGATOR FARBWERKE.