

Grundierfarbe WP

Pigmented dispersion based primer, dilutable with water 2:1. Ideal for substrate consolidation and as bonding agent for subsequent dispersion paint coats and synthetic resin renders/plaster.



Product characteristics

Properties	<ul style="list-style-type: none"> • Pigmented in white • Quarz-filled • water dilutable 2 : 1 • Very good adhesion promotion • High grip for following render/ plaster coatings
Areas of application	Exterior and interior
Suitable substrates in detail	<ul style="list-style-type: none"> • Poor to medium absorbent substrates • Provides firm and sound substrates with a good bonding capacity for following coatings • Adhesion promoter for following dispersion based paint coatings and synthetic-resin renders/plasters.

Material description

Binder	Synthetic dispersion
Density	approx. 1.5 kg/l kg/l
Maximum particle size	Medium
Average consumption (short text)	approx. 150 - 250 g/m ² of the undiluted product
Average consumption	It is advisable to determine the exact consumption figure by producing a sample area.
Colour shade	White
Suitable tinting paints	Tinting with system-matching tinting pastes via the ALLFAcolor tinting machine, ready-mixed at the factory or with commercially available tinting and full colour paints or tinting concentrates. Please note that with tinted products the specified properties may change.
Gloss level	Matt
Storage	Cool, but protected from frost
Thinning	Water 2:1 (2 parts by vol. of Grundierfarbe + 1 part by vol. of water)

Substrates

Suitable substrates	<ul style="list-style-type: none"> • All usual mineral substrates (plasters/renders, concrete, masonry) • Gypsum plaster • Gypsum building boards • Gypsum wallboards • Solid, mineral and organic existing paint layers
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).

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Substrate conditions

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 for exterior coatings and the guidelines according to BFS Fact Sheet No. 8 for interior coatings.

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 humidity also lengthen the setting process. Treat replastered locations with fluosilicate. In addition, the guidelines according to BFS Fact Sheet No. 9 apply.

Fibre-cement:

Products of fibre-cement have to be primed water based. On exterior surfaces solvent-based primers may be used as well. For constructions showing inaccessible and uncoated rear sides and edges do only use water vapour permeable coatings. Since 01.12.2012 uncoated fibre-cement panels containing asbestos must no longer be coated according to the Ordinance on Hazardous Substances (GefStoffV). For asbestos containing fibre-cement the corresponding directives (in Germany TRGS 519) referring to the handling with asbestos have to be observed.

Gypsum blocks

Adjust the primer to absorbency. With coatings destined to bridge capillary cracks, reinforce completely using a fleece. In addition the guidelines of BFS-Fact Sheet No. 17 apply.

Gypsum building boards (interior)

Adjust the primer to absorbency. With coatings destined to bridge capillary cracks, reinforce the entire surface using a fleece. In addition the guidelines of BFS Fact Sheet No. 12 apply. Ingredients which might penetrate have to be isolated before following coatings.

Gypsum plaster, gypsum sand plasters etc.

Remove any sintered layers. For first coatings take care of a sufficient penetration of the primer (e. g. by using a penetrating primer). Additionally the guidelines of BFS Fact Sheet No. 10 apply.

Derived timber products (chipboards, OSB-boards etc.) - interior

Have to be covered with a suitable gypsum board or gypsum fibre board as otherwise cracks may occur in the area of butt-joints.

Aerated concrete - interior:

In case of rooms of high humidity, external walls have to be additionally treated by a moisture guard, applied onto their insides. This can be effected applying a two-component coating like e.g. Hydropox. In addition the guidelines of BFS Fact Sheet No. 11 apply.

Base renders (interior):

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. 10 apply.

Application

Application method

Application by brush or roller

Application

The material can be applied by brush, roller or spraying. With highly absorbent substrates, a pre-priming with a penetration primer is recommended. Grundierfarbe WP needs to be thinned with water in any case, as it is a concentrated material. Critical substrates should be consolidated first with solvent-based products.

Application hints

Do not apply under a glaring sun, during strong wind or on warm substrates.

Note

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.

Plasto-elastic joints should not be coated as the higher elasticity of the sealing mass might cause cracks or discolouration of the coating. In individual cases tests have to be carried out to judge the suitability.

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Practical hints

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.

Hairline Crack bridging Coatings on Gypsum Plasterboard

In correspondance with the building regulations (in Germany VOB/C DIN 18363, Section 3.2.1.2) hairline crack bridging coatings on gypsum plasterboards and gypsum fibreboards can only be realized by the additional embedding of a fleece.

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.

Temperature limit

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

Drying time

At + 20° C for substrate and ambient air and 65% relative humidity (RH), recoatable after approx. 12 hours. Lower temperature or a higher humidity extend the drying time.

Tool cleaning

Immediately after use with water

Information

Hazard statements and safety advice

May cause an allergic skin reaction. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Do not get in eyes, on skin, or on clothing. Wear protective gloves/ eye protection. If on skin: Wash with plenty of soap and water. **Contains:** 1,2-benzisothiazol-3(2H)-one, 2-methyl-2H-isothiazol-3-one, mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1).

Declaration of ingredients

Polyacrylate dispersion, titanium dioxide, calcium carbonate, siliceous filler, water, additives, preservatives (methylisothiazolinone, benzisothiazolinone)

Observe safety data sheets

Further details: See Safety Material Data Sheet (MSDS)

Category VOC

EU limit value for the VOC contents of this product: (Category A/a) 30 g/l (2010). This product contains max.

VOC content (in gram per litre)

<1 g/l

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.

Container size

Content	EAN code	Article no.
20 KG	4002822101589	754176
5 KG	4002822101657	754175

System specific and system completing products

- Orbit-Hybrid
- Orbit-Klassik-Sil
- Orbit-Hausfarbe LEF
- 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.