

Phönix Guard

Dispersion-based interior paint with silver compounds for the protection against mildew and fungal attack of the coating. Highly effective and perfectly suitable for the application in food-processing establishments as confirmed by test certificate.



Product characteristics

Properties	<ul style="list-style-type: none">• Resistant against fungal infestation as confirmed by test certificate• Solvent-free• Tested as per AgBB• Highly effective
Areas of application	Interior only
Suitable substrates in detail	<ul style="list-style-type: none">• Surfaces endangered of being attacked by mildew and fungus or already infested surfaces• Food processing establishments (test certificate)• Damp rooms

Material description

Binder	Synthetic dispersion
Density	1.5 kg/l
Water vapour permeability	< 0,1 m
Maximum particle size	Fine
Wet scrub class	2
Opacity class	1 at 6 - 7 m ² /L
Average consumption (short text)	approx. 140 - 160 ml/m ²
Average consumption	<p>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.</p> <p>The thicker the paint layer the longer lasts the preventive effect.</p>
Colour shade	White
Suitable tinting paints	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	Dead matt according to EN 13300
Storage	Cool, but protected from frost
Thinning	Water
	First and intermediate coat: 3%, finishing coat preferably unthinned.

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Substrates

Suitable substrates

- All usual mineral substrates (renders/plasters, concrete, masonry)
- Gypsum wallboards and gypsum plasterboards
- Gypsum plaster
- Hardboards
- Precast building materials
- Adherent existing paint layers
- Wood-chip wallpaper
- Glass fabrics

Substrate conditions

The substrate must be clean, dry, firm and sound. Follow the building regulations (in Germany VOB, Part C, DIN 18363, Section 3). Inside renovation coatings can normally be carried out without a special priming coat. For new coatings the surface has to be first attended with an appropriate primer of the ALLIGATOR – product range, following the technical specifications.

Substrate conditions

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 BSF 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. Hydrofox. 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.

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.

Application

Application method

Application by brush, roller or spraying

Spraying data

Suitable airless spraying equipment from an output of 3 / min
Airless: Dynamic pressure in BAR: 190 - 160 / spray angle: 50° / Nozzle size in inch: 0.019 - 0.021 / filter: 60 Mesh.
For spraying application wear face mask with particle filter P2 (iib) as well as protective glasses against spray mist.

Coating system

Medium to highly absorbent substrates: After removing the infestation, disinfect with Fassadenreiniger, priming coat with Tiefgrund Guard, intermediate coat thinned to max. 3%, finishing coat unthinned.

Sound existing paint coats, normally absorbent substrates: After removing the infestation, disinfect with Fassadenreiniger, if required priming coat with Multi-Grund 3 in 1 LEF or with Tiefgrund Guard, intermediate coat thinned to max. 3%, finishing coat unthinned.

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Sound existing paint coats, slightly absorbent substrates: After removing the infestation, disinfect with Fassadenreiniger, if required priming coat with Multi-Grund 3 in 1 LEF, Grundweiß LEF, intermediate coat thinned to max. 3%, finishing coat unthinned.

New render / plaster surfaces: Priming coat with Tiefgrund LKF or Tiefgrund Guard, intermediate coat thinned to max. 3%, finishing coat unthinned.

Due to the great variety of our range and specific applications it is also possible to use other primers or coating systems. For this please contact our technical service.

Application

When painting pay attention to spread the material liberally and evenly in order to achieve a coat thickness which is necessary for the visual appearance and durability.

Application hints

Remove existing mildew thoroughly, if necessary by means of a fungicidal washing solution (Fassadenreiniger). The finishing coat should always be applied unthinned. The thicker the paint layer the longer the preventive effect can be maintained.

Note

Check tinted paint for colour accuracy prior to the application. Objections regarding the colour shade cannot be accepted after the application.

The protection against fungal attack is limited in time and depends on the structure of the building and environmental conditions. A permanent absence of fungi cannot be assured. High alkaline influences might reduce the effect of film preservation. A sufficient layer thickness (two coating layers) is necessary.

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.

Practical hints

Repairs

Touching up surfaces may be more or less visible, even with using the original coating material. Traces are unavoidable according to BFS Fact Sheet No. 25. Whether a repair is considered as optically disturbing is depending on many parameters, like colour shade, gloss level, layer thickness, substrate, illumination etc. It is advisable to apply a test coating on inconspicuous places.

Colour Accuracy / Metamerism

The perception of colour shades is influenced by various parameters, such as light, gloss, angle, structure. Substrates of different degrees of irregularities may have different effects despite having been coated with the same material. Coating materials of the same hue but of different gloss levels also appear to be different. Various materials of the same colour shade that appear to be matching by daylight may show strong deviations in artificial light (metamerism effect). In case of increased requirements on matching colours of different building parts, materials and / or surfaces, the BFS Fact Sheet No. 25, section 4.2.2. can be taken into consideration.

Fogging

The phenomenon of suddenly occurring black dust deposits on interior surfaces (fogging effect) has not yet been fully elucidated. As a preventive, the Federal Environment Agency (Umweltbundesamt) recommends to only use low-emission, in particular plasticizer-free products. These products are solvent- and plasticizer-free. The absence of fogging cannot be ensured.

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.

Non-combustibility

According to DIN 4102 (in Germany) the construction material class A (non-combustibility) is retained with usual mineral substrates such like renders/plasters, concrete and also gypsum plasterboard with enclosed surface, even if their surfaces are coated with dispersion based paints. For usability certificate as non-combustible system for interiors with ALLFAtexx glass fibres and fleeces refer to the general construction supervision test report.

Hairline Crack bridging Coatings on Gypsum Plasterboard

In correspondence 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.

Sidelight

Unfavourable lighting conditions (sidelight) may occur for instance after the subsequent installation of lights. This fact must be known before works. Specific requirements on evenness and uniformity of the coating have to be previously agreed upon.

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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. 4 - 5 hours. Lower temperature or a higher humidity extend the drying time.
Tool cleaning	Immediately after use with water and soap

Information

Product code	BSW50 (M-DF01 F)
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. Use P2 dust filter for grinding. Do not breathe spray dust. Use A2/P2 combination filter for spraying. Clean tools immediately with water and soap. Contains: Benzisothiazolinone, Methyisothiazolinone.
Declaration of ingredients	Poly vinyl acetate dispersion, titanium dioxide, calcium carbonate, siliceous fillers, water, additives, preservatives (methylisothiazolinone, benzisothiazolinone, silver).
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)	< 5 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.
12,5 L	Weiß	4002822014216	810950

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 FARBERWERKE.