

## Grundweiß LEF

Ready-for-use, pigmented dispersion-based primer without structuring particles for application inside and outside.



### Product characteristics

<b>Properties</b>	<ul style="list-style-type: none"><li>• For subsequent coatings without lap marks</li><li>• Without texture</li><li>• Prolongs the open-time</li><li>• Very good adhesion promotion</li><li>• Solvent- and plasticizer-free</li><li>• Good opacity</li><li>• Can be sprayed on via airless systems</li></ul>
<b>Areas of application</b>	Exterior and interior
<b>Suitable substrates in detail</b>	<ul style="list-style-type: none"><li>• Poor to medium absorbent substrates</li><li>• Smooth substrates such as gypsum plasterboards, gypsum plaster</li><li>• Reduces the absorption behaviour of the substrate</li><li>• Increases the open time of following paint coatings</li><li>• For following paint coats of silicone-resin, dispersion and sol-silicate base in exteriors and interiors</li></ul>

### Material description

<b>Binder</b>	Synthetic dispersion
<b>Density</b>	Approx. 1.6 kg/l kg/l
<b>Maximum particle size</b>	Fine
<b>Average consumption (short text)</b>	approx. 100 - 130 ml/m <sup>2</sup>
<b>Average consumption</b>	It is advisable to determine the exact consumption figure by producing a sample area.
<b>Colour shade</b>	White
<b>Suitable tinting paints</b>	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.
<b>Gloss level</b>	Matt
<b>Storage</b>	Cool, but protected from frost

### Substrates

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

#### 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.

#### Lime-sand brick fair faced brickwork

To be coated with diffusion capable coating materials only. The guidelines of BFS Fact Sheet No. 2 apply.

#### Exposed brickwork

Ingredients might penetrate, therefore a test coating is advisable. To be coated with diffusion capable coating materials only. The guidelines of BFS Fact Sheet No. 13 apply.

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### Application

<b>Application method</b>	Application by brush, roller or spraying
<b>Spraying data</b>	Suitable airless systems with an output of at least 3 l/min. Airless: Spray pressure in bar: 160 - 190 / spraying angle: 50° / nozzle size in inch: 0.019 - 0.021 / filter: 60 mesh
<b>Application</b>	The material can be applied by brush, roller or spraying. Critical substrates in outdoor areas should be consolidated first with solvent-based products. With highly absorbent substrates pre-coat with a penetration primer (Tiefgrund LKF).
<b>Application hints</b>	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.
<b>Note</b>	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.  With higher demands in terms of a streak-free surface, we always (also with existing paint layers) recommend to apply Multi-Grund 3 in 1 in order to equalize the substrate.
<b>Practical hints</b>	<b>New mineral Substrates</b> 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.  <b>Hairline Crack bridging Coatings on Gypsum Plasterboard</b> 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.  <b>Masking Works</b> 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.
<b>Temperature limit</b>	Between + 5° C and + 30° C for substrate and ambient air during processing and drying.
<b>Drying time</b>	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.
<b>Tool cleaning</b>	Immediately after use with water

### Information

<b>Hazard statements and safety advice</b>	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. <b>Contains:</b> 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).
<b>Declaration of ingredients</b>	Acrylate-dispersion, titanium dioxide, calcium carbonate, siliceous filler, water, additives, preservatives (methylisothiazolinone, benzisothiazolinone)
<b>Observe safety data sheets</b>	Further details: See Safety Material Data Sheet (MSDS)
<b>Category VOC</b>	EU limit value for the VOC contents of this product: (Category A/a) 30 g/l (2010). This product contains max.
<b>VOC content (in gram per litre)</b>	<1 g/l
<b>WHC</b>	1 (weakly water-polluting)
<b>Waste disposal</b>	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.

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### System specific and system completing products

Tiefgrund W LEF

Miropan-Innenfarbe LEF

Phönix Matt LEF

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.