

Kieselit-Leichtspachtel LEF

Ready-for-use mineral lightweight filler/surfacer for wall and ceiling areas in interiors.



Product characteristics

Properties

- Very good filling power
- Very easy application
- Adherent and impact-proof
- Diffusion-capable
- Easy to sand and to felt
- Crack-free drying with layer thicknesses of 6 mm
- Low shrinkage
- Suitable for manual and spray application
- Spray application by airless systems and conveyors

Areas of application

Interior only

Suitable substrates in detail

- Also in combination with ALLFAtexx-Spachtelvlies GV 40 (Reinforcement instead of several filling layers)
- For wall and ceiling surfaces
- For surface qualities of Q2 to Q4
- Ideal for following coatings with Kieselit-Innenfarbe

Material description

Binder Mineral with organic stabilizers

Ingredients Lightweight fillers
Additives

Density Approx. 1.3 kg/l

Layer thickness Up to 6 mm in one work step

Quality classification Q2-Q4

Building material class / fire behaviour A2-s1, d0 (DIN EN 13501)

Average consumption (short text) Approx. 1,300 g/m² per mm layer thickness

Average consumption It is advisable to determine the exact consumption figure by producing a sample area.

Colour shade Natural white

Storage Cool, but protected from frost

Thinning This product is ready for use.

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Substrates

Suitable substrates

- All usual mineral substrates (plasters/renders, concrete, masonry)
Adherent existing paint layers
- Gypsum plaster
- Gypsum building boards
- Gypsum wallboards

Substrate conditions

The substrate must be clean, dry, firm and sound. Follow the building regulations (in Germany VOB, Part C, DIN 18363, Section 3). Normal and weak absorbent substrates (such as new concrete areas) generally do not have to be primed. Highly absorbent or crumbling substrates have to be first attended with an appropriate primer of the ALLIGATOR – product range, following the technical specifications.

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 (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.

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.

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.

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.

Application

Application method

Application by spraying or trowel

Spraying data

Suitable airless / plunger device with an output of at least 5 L / min.
Airless: Spray pressure in bar: 230 / spraying angle: 50° / nozzle size in inch: 0,035 / remove sieves.
Conveyor device: nozzle 8 mm / air performance 500 L
Rotor/stator D6 - 3 hours

Application

Stir the material thoroughly. Then apply by means of a stainless steel trowel and smooth down with appropriate scrapers. In order to avoid sanding/grinding, the finished and entirely dried surface can be felted down to complete surface planarity with a sponge float by sufficient wetting.

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Apply the material by hand or appropriate machines. Stir well before use. Leichtspachtel Grob can be applied mechanically by plaster conveyors but also by suitable airless equipment (e.g. Wagner or Graco). For small surfaces apply manually or with hopper guns and smooth down with large smoothing trowels within its open time of approx. 15 minutes. For a subsequent fine-textured coat in spatter technique, adjust the airless equipment to reduced air and material quantities. When embedding ALLFAtexx Spachtelvlies GV 40 apply the filling compound by trowelling or spraying method. Then "comb" the wet coat with a notched trowel (notching 4 x 6 x 4) and embed ALLFAtexx Spachtelvlies with an overlap of approx. 5 cm. Take care to avoid bubbles or creases. Effect a double seam cut. Use a smoothing trowel to press the fleece into the wet coating so as to obtain a smooth surface free of burrs that dries without crack formation.

Application hints	For sanding/grinding of larger surfaces the abrasive "Abranet"-abrasive mesh P 120 from MIRKA is a good practice.
Note	Once the surfacer has been applied and dried, the finished surface needs to be treated with a primer based on the following type of coating material. 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	<p>Masking Works On completion of the coating, particularly with glossy dispersion paints and / or higher layer thicknesses, immediately remove adhesive tapes, in order to avoid untidy contours.</p> <p>Covering measures Cover adjacent areas, especially glass, ceramics, clinker, carefully, as water glass containing products may affect their surfaces.</p> <p>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.</p>
Temperature limit	Between+ 8° C and + 30° C for substrate and ambient air during processing and drying.
Drying time	At + 20° C for substrate, ambient air, 65% relative humidity (RH) and 3 mm layer thickness, allow to dry for approx. 12 hours. Low temperatures, a higher humidity, higher layer thicknesses and non-absorbent substrates extend the drying time.
Tool cleaning	Immediately after use with water

Information

Product code	BSW40 (M-SK01)
General information	Keep out of reach from children. Ensure good ventilation during use and drying. Do not eat, drink or smoke while using the paint. In case of contact with eyes or skin, immediately and thoroughly rinse with water. Do not allow to enter drains, waterways or soil. Clean tools immediately with water and soap. Do not breathe vapour/spray. Use P2 dust filter for grinding.
Hazard statements and safety advice	Contains: 1,2-benzisothiazol-3(2H)-one, 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.
Declaration of ingredients	Polyvinyl acetate dispersion, titanium dioxide, calcium carbonate, siliceous fillers, water, additives, preservatives (methylisothiazolinone, benzisothiazolinone)
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.

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Container size

Content	EAN code	Article no.
20 KG	4002822713119	559886

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.