

Kieselit-Klima-Spachtel LKF

Capillary-active, ready-for-use lightweight filler/sur-facer, silicate-based, for the preventive coating on interior walls and ceilings at a risk of being attacked by mould growth.



Product characteristics

Properties

- Capillary-active
- Inhibits mould growth
- Moisture regulating
- Ready-for-use
- Easy application
- Can be sanded/grinded
- Very good filling power
- Adherent and impact-proof
- Highly diffusion-capable
- Low shrinkage
- Without preservatives
- Solvent- and plasticizer-free

Areas of application

Interior only

Suitable substrates in detail

- For wall and ceiling surfaces
- For the preventive coating of surfaces that are prone to mildew
- For good coatings in terms of building biology
- Tested within the system for following coatings with Kieselit-Klima-Farbe (paint)
- System component in the ALLFATHERN-Klima-System

Material description

Binder	Potassium water glass
Ingredients	Lightweight fillers Additives
Density	Approx. 1.3 kg/l
Quality classification	Q2-Q4
Building material class / fire behaviour	A2-s1, d0 (DIN EN 13501)
Average consumption (short text)	Approx. 1,300 g/m ² 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) Solid, mineral and organic existing paint layers Kieselit-Klima board
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	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. 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. 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 spraying or trowel
Spraying data	Suitable airless / plunger devices with an output of at least 7 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.
Coating system	Priming coat with Kieselit-Grundierfarbe thinned with water 2:1 or Kieselit-Grundiermittel thinned with water 1:1. Weakly absorbent substrates can be coated without additional primer. Recoatable with all Kieselit products.
Application	Apply Kieselit-Klima-Spachtel by hand or machine. Stir the material well before use. If applied by machine airless or conveyor systems are suitable. Within its open-time of approx. 15 minutes the material has to be smoothed down with large smoothing trowels. For embedding ALLFAtexx Spachtelvlies GV 40, apply the filler/surfacer by trowel or spraying method. Then use a notched trowel (notching 4 x 6 x 4) to smooth down and embed ALLFAtexx Spachtelvlies into the wet layer, with an overlap of approx. 5 cm. Effect a double-seam-cut. Use a smoothing trowel to press the tissue into the wet coating while avoiding the formation of bubbles and creases, in order to obtain a smooth surface that is free of cracks and burrs.
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. Adjacent areas, particularly glass, ceramics, clinker, need to be masked carefully, as the product may affect the surface.
Practical hints	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.

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Efflorescences on the Surface

The chemical setting process of silicate products may cause precipitation of potash on the surface. In interior, this can normally be dry removed, e.g. by vacuum cleaning. In exterior, potash will normally disappear under the influence of water (e.g. rainfall).

Temperature limit	Between+ 8° 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

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 product. 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. The coating material is highly alkaline. Therefore protect skin and eyes from paint splashes.
Declaration of ingredients	Poly-acrylate dispersion, potassium waterglass, calcium carbonate, siliceous fillers, water, additives
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.

Container size

Content	EAN code	Article no.
20 KG	4002822019402	843691

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.