

## Leichtspachtel-Universal LEF

Dispersion-based lightweight filler/surfacer for interior use on walls and ceilings. For the application by trowel, spraying device or by roll.



### Product characteristics

- Properties**
- Optimal open-time
  - Very good filling power
  - Particularly easy to apply
  - For the application by spraying, roll or manually
  - Paste-like and ready for use
  - Very good adhesion
  - No pot-life
  - Low weight
  - Reduced blistering on concrete areas

**Areas of application** Interior only

- Suitable substrates in detail**
- For large concrete and ceiling areas
  - For surface qualities of Q2 to Q4

### Material description

- Binder** Synthetic dispersion
- Density** Approx. 1.3 kg/l
- Layer thickness** 3 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/m<sup>2</sup> 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.

### Substrates

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### 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). 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. Hydrofox. 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, roller or trowel

### Spraying data

Suitable airless / plunger devices with an output of at least 5 L/min.  
Spray pressure in bar: 230 / spraying angle: 50° / nozzle size in inch: 0,033 / without filter.  
Conveyor device: nozzle: 6 - 8 mm / air performance 500 L  
Rotor/stator D6-3 hours.  
Dilution: consistency as delivered

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<b>Application</b>	Leichtspachtel-Universal LEF is particularly designed for an economic application. Stir well before use. Application by machine equipment: for the application with high-performance airless equipment (plunger technique) remove all filters (equipment and gun). Fill the material into the hopper or reservoir of the spraying device and apply evenly to the ceiling and afterwards to the walls. Smooth down after a short flash-off time. As a general rule do not spray on more material than the quantity that remains on the surface after smoothing. Application by roller: use a long-pile lambs' wool roller to apply Leichtspachtel-Universal LEF evenly and liberally, then smooth down after a short flash-off time with an appropriate stainless steel smoothing trowel. Application by trowel: Apply Leichtspachtel-Universal LEF with a smoothing trowel up to a layer thickness of max. 3 mm. Allow to flash-off for a short time and smooth down with suitable stainless steel trowel.
<b>Application hints</b>	For sanding/grinding of larger surfaces the abrasive "Abranet"-abrasive mesh P 120 from MIRKA is a good practice.
<b>Note</b>	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.
<b>Practical hints</b>	<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>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, 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.
<b>Tool cleaning</b>	Immediately after use with water

## Information

<b>Product code</b>	BSW20 (M-DF01)
<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. 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.
<b>Declaration of ingredients</b>	Poly vinyl acetate dispersion, titanium dioxide, calcium carbonate. siliceous fillers, water, additives, preservatives (methylisothiazolinone, benzisothiazolinone)
<b>Observe safety data sheets</b>	Further details: See Safety Material Data Sheet (MSDS)
<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.

## Container size

Content		EAN code	Article no.
20 KG	Hobbock	4002822024086	887120

## Leichtspachtel-Universal 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.