

# AkkordLeichtspachtel

Paste-like, lightweight synthetic resin filling compound (surfer) for interior use.



## Product Description

### Field of Application

Paste-like levelling compound ready for spraying and filling, with a very low dead weight and high layer thickness, which can be applied down to zero. The coating is particularly efficient and economical in combination with high-performance spraying equipment for wall and ceiling surfaces made of e.g. mineral plaster, prefabricated concrete components, in-situ concrete, flat blocks and aerated concrete as well as plasterboards and plasterboards (plasterboards) as well as for reworking textured plasters or glass fabric in the thin plaster method or in combination with suitable glass fibre-based reinforcement fleece such as Capadecor AkkordVlies-SP.

Suitable for achieving surface qualities of quality levels Q2-Q4 in accordance with the specifications of BVG data sheet no. 2 and BFS data sheet no. 12.

### Material Properties

- easy and very smooth to apply and smooth off
- High adhesive strength
- Crack-free through-drying in thicker layers
- can be sanded very well when dry or felted when wet
- diffusible
- water-dilutable, environmentally friendly and low-odour
- Minimised emissions and solvent-free
- Fire behaviour classification: A2-s1,d0 according to DIN EN 13501-1

### Material Base / Vehicle

Synthetic resin dispersion (emulsion) according to German standard DIN 55945.

### Packaging/Package Size

18 kg plastic bucket, 20 kg PE bag

### Colours

Natural white.

Can be tinted to a max. of 5 % with CaparolColor or AmphiColor® (AVA) colourants.

### Gloss Level

Matt

### Storage

Keep in a cool, but frost-free place.

### Supplementary Product

Caparol-Füllspachtel P as a joint filler for filigree ceilings and coarser repairs.

**For damp rooms:**  
 Akkordspachtel KF  
 Histolith Renovation Filler  
 Histolith fine plaster

Suitability according to  
 Technical Information No. 606  
 Definition of Application Areas

Interior 1	Interior 2	Interior 3	Exterior 1	Exterior 2
+	-	-	-	-
(-) inapplicable / (o) of limited suitability / (+) suitable				



## Application

Suitable Substrates	Die Untergründe müssen frei von Verschmutzungen, trennenden Substanzen und trocken sein. VOB, Teil C, DIN 18363, Abs. 3 beachten. Je nach vorliegendem Untergrund und dessen Beschaffenheit ist vor dem Spachtelauftrag eine geeignete Grundbeschichtung aufzubringen. Glänzende, tragfähige Altbeschichtungen vorher anrauen.
Substrate Preparation	<p><b>Renderers according to DIN EN 998-1 class CS II - CS IV / compressive strength min. 2 N/mm<sup>2</sup>:</b> Solid, normally absorbent and even renderers can be coated without primer coat. Prime slightly sanding, absorbent renderers with OptiSilan TiefGrund, CapaSol RapidGrund or Syllitol RapidGrund 111. Prime more sanding renderers with OptiSilan TiefGrund.</p> <p><b>Gypsum plasters according to DIN EN 13279-1 / compressive strength min. 2 N/mm<sup>2</sup>:</b> Sand and remove dust from gypsum plasters with sintered skin, prime with OptiSilan TiefGrund, CapaSol RapidGrund or Syllitol RapidGrund 111.</p> <p><b>Gypsum boards/gypsum planks:</b> Priming coat with OptiSilan TiefGrund.</p> <p><b>Gypsum boards (plasterboard):</b> Sand off filler burrs. Prime sanded gypsum filler areas and the gypsum boards with OptiSilan TiefGrund, CapaSol RapidGrund or Syllitol RapidGrund 111. In case of stronger absorption, prime with OptiSilan TiefGrund. For boards with water-soluble, discolouring ingredients, prime with Caparol AquaSperrgrund. Observe BFS Data Sheet No. 12, Part 2.</p> <p><b>Concrete:</b> Remove any release agent residues and chalking, sanding substances. Prime with OptiSilan TiefGrund, CapaSol RapidGrund or Syllitol RapidGrund 111.</p> <p><b>Sand-lime masonry:</b> Dry brush off existing salt efflorescence. Prime with CapaSol RapidGrund or Syllitol® Rapidgrund 111. In case of stronger absorption, prime with OptiSilan TiefGrund.</p> <p><b>Load-bearing coatings:</b> Recoat matt, slightly absorbent coatings directly. Roughen glossy surfaces and paint coatings.</p> <p><b>Non-bearing coatings:</b> Remove non-stable varnish and dispersion paints or synthetic resin plaster coatings. Prime coarsely porous, sanding or absorbent surfaces with OptiSilan TiefGrund. Remove non-bearing mineral paint coatings mechanically and remove dust from the surfaces. Apply one priming coat of OptiSilan TiefGrund.</p> <p><b>Glue-Bound Distemper (Limewater Colour/Paint):</b> Wash off the existing distemper very thoroughly, allow to dry and prime with Dupa-Putzfestiger. Alternatively, remove mechanically, rinse and prime with OptiSilan TiefGrund.</p> <p><b>Woodchip, relief or embossed wallpapers made of paper and sample wallpapers:</b> Coat without pre-treatment. For relief and embossed wallpapers made of paper as well as sample wallpapers, apply a trial coat. Foamed wallpapers may cause intermediate reactions (stickiness, odour) when coated.</p> <p><b>Removed wallpaper:</b> Wash off paste and waste paper residues. Apply one priming coat of OptiSilan TiefGrund.</p> <p><b>Mould-infested surfaces:</b> Remove mould by wet cleaning. Wash surfaces with Capatop and allow to dry thoroughly. Observe the legal and official regulations (e.g. the Biological Substances Ordinance and the Ordinance on Hazardous Substances). Increased protection against renewed infestation can be achieved with the products Malerit-W, Indeko-W and Fungitex-W.</p> <p><b>Surfaces with nicotine, water, soot or grease stains:</b> Wash off nicotine stains as well as soot or grease stains with water, adding a grease-dissolving cleaning agent, and allow to dry thoroughly. Clean dried water stains by brushing dry. Apply a barrier priming coat of Caparol AquaSperrgrund fein (see Technical Information No. 384) or Caparol-Filtergrund grob (see Technical Information No. 845).</p> <p><b>Wood and wood-based materials:</b> Apply one priming coat of Capacryl Holz-Isogrund. On boards factory-coated with melamine resin, apply one priming coat of Capacryl-Haftprimer. The joint areas/ panel joints are not to be finished crack-free. Here, for higher visual requirements, a decoupling layer with thin gypsum boards with appropriate filling is recommended.</p> <p><b>Old lime filler techniques:</b> Remove sintered layer on the surface by sanding. In case of negative wetting test with water on sanded surface, the entire lime filler layer must be removed and the substrate must be rebuilt accordingly. In case of positive wetting test with water on sanded surface, prime with OptiSilan TiefGrund.</p> <p><b>Chips, joints and defects:</b> Fill the recess with Füllspachtel P.</p>
Method of Application	<p><b>Levelling filler applied by hand:</b></p> <p>Stir well before application and apply with a stainless steel smoothing trowel. After drying, wet and felt or sand dry.</p>

AkkordLeichtspachtel is particularly suitable for flat levelling on plasterboard, as this material can be drawn out to "zero". AkkordLeichtspachtel can be used in conjunction with a paper or glass fibre reinforcement strip for the reinforcement of chamfered/bevelled board joints of gypsum boards and gypsum building boards (GKB according to DIN 18180). Please note that the board joints may only be filled when there are no more changes in length due to temperature or moisture stress. The room temperature must not fall below +10 °C (see DIN 18181 Section 5). Fill the joint cavity with Akkord lightweight filler, insert the reinforcement strips, press on and smooth. After drying, coat again with AkkordLeichtspachtel. Joints wider than 3 mm should be filled beforehand.

**Suitable spraying equipment:**

The filler can be applied with plaster delivery devices and powerful airless devices. The delivery distance of the product depends on the performance of the airless device and can be obtained from the device manufacturer.

Remove all filters from airless guns.

Airless spray guns with a higher flow rate recommended by the manufacturer should be used for levelling compounds. Depending on the performance capacity of the airless device, temperatures below +10 °C may restrict delivery due to slight changes in the viscosity of the filler. A material temperature of +10 °C must be ensured for these devices.

**Spray application:**

The coating is particularly efficient and economical when used in conjunction with powerful spraying equipment for wall and ceiling surfaces.

**Work sequence:**

Supply the appliance with levelling compound. We recommend using a material hopper. Full-surface, saturated spray application with filler, undiluted, and immediate levelling with a suitable steel trowel. The filler can be sanded after drying. Sanding meshes such as Abranet from Mirka or GranatNet from Festool with a grit size of 320 enable more effective work performance.

**Suitable spraying equipment:**

The filler can be applied with plaster delivery devices and with powerful airless devices. Airless spray guns recommended by the respective manufacturer should be used for levelling compounds. These guns have a higher flow rate and make it much easier to apply the levelling compound, and stirring with an agitator is recommended for buckets.

Airless Heavy Coat	
Spray pressure	150 - 180 bar
Spray angle	40° - 50°
Nozzle size in inches	0,035" - 0,043"
Remove gun plug-in filter in MW	Remove
Spraying with airless devices*	
Nozzle size in inches	4mm
Spray pressure	50 bar
Air support	yes
Plaster spraying systems	
Nozzle size	4 - 6mm
Betriebsdruck	depending on device type
Delivery rate	>6l/min
Luftunterstützung	yes

\* Device-dependent spraying head required

**Work team and performance:**

A spraying column consists of a team of 2-3 workers. One member of the team applies the material in a uniform layer thickness with the spraying device, 2 employees pull off the applied material evenly and then smooth the surface.

**Special processing instructions for levelling and sprinkling:**

In larger rooms, the ceiling must be levelled first before the wall surfaces can be sprayed. In this case, however, the upper part of the wall surfaces (the so-called head) should also be sprayed and levelled up to a height that can be reached from the floor. The lower part of the wall surfaces is then sprayed and also smoothed.

If only the ceiling surface is to be treated, it is advisable to spray a border away from the wall surfaces first and then spray the surface. After smoothing and slight drying, smooth all corners with a wet radiator brush. Remove bubbles after slight drying by smoothing again, repeat if necessary. Fill existing nests by hand.

After the levelling compound has dried thoroughly, block rust penetrations with a suitable anti-corrosion primer, e.g. Capalac AquaMulti Primer, by stippling. Then apply a coat of paint.

**Insert reinforcing fleece:**

When using a suitable glass fibre-based painter's fleece (approx. 40 g/m<sup>2</sup> weight), apply AkkordLeichtspachtel generously and in sufficient quantity for 2 to 3 strips, comb through with a stainless steel notched trowel (4 x 6 x 4 mm or 6 x 6 x 6 mm), lay in the fleece and press down evenly and smoothly with a stainless steel smoothing trowel, leaving approx. 5 cm unpressed in the edge area towards the next strip. Lay the next sheet with an overlap of approx. 5 cm and press down to the seam area. Make a double seam cut in the seam area with a cutter knife (or sliding foot knife if necessary) and then press down. Wipe off any leaking filler material with a damp cloth. Lightly sand any slightly raised seam areas before further treatment. Please also observe the information in the Technical Information for Capaver AkkordVlies G45 SP.

Surface Coating System

**Recoat the levelled surface with:**

**Caparol dispersion paints, Caparol latex paints, Caparol renders:**

After drying, apply a priming coat of OptiSilan TiefGrund, CapaSol RapidGrund or Syllitol RapidGrund 111 and, if plaster is subsequently applied, an intermediate coat of Putzgrund 610.

**Caparol glass/cellulose wall coverings:**

After drying, apply a primer coat with OptiSilan TiefGrund or CapaSol RapidGrund.

**Surface-finished, highly diffusion-blocking or diffusion-tight wall coverings:**

Akkordspachtel KF must be used for levelling. The technical specifications of the wall covering manufacturer must also be observed.

Consumption

Approx. 1.2 kg/m<sup>2</sup> per mm of coating thickness.

Application Conditions

**Lower Temperature Limit for Application and Drying:**

+5 °C for substrate and ambient air.

Temperature of product during application must be > + 10 °C

Drying/Drying Time

Approx. 12 - 48 hours, depending on building moisture, temperature and coating thickness.

Note

An evenly absorbent and non-slip substrate is required to apply the maximum specified layer thickness. Under these conditions, the material can be applied in one coat without starting to run, sag or crack. After application, the filler must be expected to shrink in volume over the entire surface as it dries. Particularly for thick layers of material to be applied over large areas and for coarse substrates, a double application is usual and recommended in view of the site conditions and in order to maintain the necessary drying times.

AkkordLeichtspachtel is not suitable for damp rooms. Due to the use of natural fillers, slight differences in colour shade are possible. If a speckle application is carried out that is to remain uncoated, we recommend that the same production numbers are used for the filler and the speckle application.

When used as a sprinkling on wall surfaces, the coating should be reworked with Caparol dispersion paints. This allows a higher resistance to be achieved, which is often necessary for wall surfaces.

When using plaster conveyor equipment, abrasion may occur, especially with new screw conveyors and hoses. Please observe the manufacturer's instructions for the plaster conveyor equipment.

Fine air bubbles may form on dense, less absorbent substrates. These can be removed after a short flash-off time by smoothing again. The time for re-smoothing depends on the temperature and humidity of the object. If bubbles appear again after re-smoothing, smoothing was carried out a little too early. Then repeat the smoothing process. To minimise this effect, a pigmented primer coat with Caparol Haftgrund is required.

In the case of rough, textured substrates, subsequent levelling may be necessary to achieve a smooth, even surface.

When reworking gypsum-based levelling compounds, swelling, blistering and flaking may occur due to prolonged exposure to moisture. It is therefore necessary to ensure rapid drying through adequate ventilation and temperature. Observe information sheet no. 2 "Filling of gypsum boards" of the German Gypsum and Gypsum Board Industry Association. Apply a primer coat of OptiSilan TiefGrund, CapaSol RapidGrund or Syllitol RapidGrund 111

## Advice

German Certificates

- Report of reaction to fire classification.
- Emission chamber measurements in line with DIN ISO 16000-9.

Please Note (Status as at Date of Publication)

Keep out of reach from children. May cause an allergic skin reaction. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Avoid breathing mist or vapors. Wear protective gloves. IF ON SKIN: Wash with plenty of water. Dispose of contents/ container to an approved waste disposal plant. Contains: 2-methylisothiazol-3(2H)-one, 1,2-benzisothiazol-3(2H)-one. Further information: See Material Safety Data Sheet (MSDS).

In Germany: Advice for allergy sufferers with isothiazolinone allergy: German hotline 0180/5308928 (0.14 €/minute from German landline, MTS max. 0.42 €/minute).

Disposal

Materials and all related packaging must be disposed of in a safe way in accordance with the full requirements of the local authorities. Particular attention should be made to removing wastage from site in compliance with standard construction site procedures.  
In Germany: Only completely empty containers should be handed in 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.

EU limit value for the VOC content

of this product group: non-existent. This product contains < 1 g/l VOC.

Product Code Paints and Enamels

M-DF01 (Germany)

Substances of Content - Declaration

Polyvinylacetate resin dispersion (emulsion), calcium carbonate, silicates, water, additives, preservatives (Methyl-/Benzisothiazolinone).

# TECHNICAL INFORMATION NO. 717

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## Technical Information No. 717 · Issue: February 2024

All suggestions and application instructions herein are based on our latest technical experience. Due to the wide variety of individual project conditions, we cannot be held responsible for their content. These instructions do not release the purchaser/ applicator from his responsibility to determine the suitability of the product in consideration of the project characteristics. These instructions are to be considered void when a new edition is released. Our general conditions of sale and delivery in their latest edition apply. This document is a translation of our German Technical Information No.717 · AkkordLeichtspachtel · Issued: September 2023

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