

# akurit it.-Glätte

Smoothing filler

## thin layer smoothing filler with defined hardening process

Lightweight plaster mortar LW CS II acc. EN 998-1

- application thickness up to 2 mm
- colour: white



## Applications

- for smoothing lime, lime cement and cement plasters
- for systematic production of smooth surfaces for wallpaper and paint
- for production of very smooth surfaces up to quality stage Q4
- for interior use

## Properties

- seamless texture
- mineral
- vapour-permeable
- smooth and easy to process
- good adhesion
- uniform hardening irrespective of ambient temperature and the absorbency of the subsurface

## Composition

- white cement in accordance with DIN EN 197-1
- calcium hydroxide in accordance with DIN EN 459-1
- fine rock powder
- additives for regulating and improving workability and product properties

## Substrate

### Suitable substrates

- Lime, lime cement or cement base plasters
- Renovation plasters
- Not suitable for subsurfaces containing gypsum
- not suitable for lightweight lime or lime cement lightweight plasters

### Condition / Testing

- The subsurface must be even, dry, clean, load-bearing, absorbent and free of adhesion impairing residues, efflorescence and sinter skins.
- For assessing the plaster primer, VOB/C DIN 18350, Section 3, DIN EN 13914-1/13914-2 as well as the plaster standard DIN 18550-1/18550-2 should be observed.

### Pretreatment

- The substrate must be produced according to the desired quality level of the surface. To make the smoothing work easier, pre-smooth the base plaster with a trowel or finishing spatula after trimming or stripping.
- Non-load-bearing coatings must be completely removed.
- Pre-treat primer plaster surface and firm it up if required with AKURIT GTM mineral deep primer.
- Evenly wet base plasters that have already dried off.
- Lime and lime cement plasters used as a plaster primer need a rest time of at least one day.
- AKURIT KHF-it. lime fine adhesive plaster can be reworked after approx. 2 to 3 hours.

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## Processing

### Temperature

- Do not process or allow to dry out at air, material or substrate temperatures below +5°C, or if there is a risk of exposure to night frost, or at temperatures above +30°C, or in direct sunlight, or on heated up surfaces, and/or in windy conditions.

### Mixing / Preparing / Processing

- Before starting work, containers and stirrers must be thoroughly cleaned, otherwise the curing behaviour may be negatively affected.
- When mixing manually, first place the quantity of water specified in the technical data in a clean container and then sprinkle in dry mortar. Use clean tap water.
- Use a suitable agitator to mix the material until smooth and free of lumps. Leave to develop for a moment and then mix again.
- Do not mix with other products and/or other substances.

### Applying / Processing / Assembling

- Apply material over the entire surface using an appropriate, non-rusting tool.
- Apply approx. 1-2 mm per layer.
- Smooth off with smoothing trowel once the surface is sufficiently firm.
- Further smoothing can be done after approx. 30 to 60 minutes.

### Processing time

- Approx. 20 minutes at 20°C and 65% relative air humidity
- Mortar that has already started to harden must never be thinned down with additional water, remixed or applied.

### Drying / Hardening

- To prevent the plaster from drying out too quickly at higher temperatures, the plastered area should be kept moist for at least three days.

### Tool cleaning

- Clean all tools and equipment with water immediately after use.

### Notes

- When using the product for the first time, please request our advisory service.
- Carefully cover adjacent surfaces and components (e.g. windows, window sills, etc.). Wash off contamination immediately with water.
- Containers and tools must be thoroughly cleaned beforehand, otherwise the hardening process is affected.
- Opened bags must be used or sealed tight again.

## Packaging

- 20 kg/sack

## Storage

- Store sacks appropriately and in dry conditions on pallets.
- If stored in its original packaging, the product will keep for at least 3 months from the date of manufacture.

## Quantity required / Yield

- consumption: approx. 0.9 kg/m<sup>2</sup> per 1 mm application thickness
- yield: app. 22 l fresh mortar per 20-kg-Bag

## Technical Data

<b>Product type</b>	Lightweight plaster mortar LW
<b>Category</b>	CS II
<b>Water requirement</b>	
<b>Set mortar bulk density</b>	approx. 1.05 kg/dm <sup>3</sup>
<b>Compressive strength</b>	1.5 - 5 N/mm <sup>2</sup>
<b>Fire behaviour</b>	A1
<b>Adhesive tensile strength</b>	≥ 0.08 N/mm <sup>2</sup>
<b>Capillary water absorption</b>	W <sub>c</sub> 1 (in accordance with EN 998-1)
<b>Water vapour permeability μ</b>	5/20 (table value EN 1745)
<b>Thermal conductivity λ<sub>10,dry,mat.</sub> for P=50%</b>	≤ 0.33 W/(mK)
<b>Thermal conductivity λ<sub>10,dry,mat.</sub> for P=90%</b>	≤ 0,36 W/(mK)

All data are average values that were determined under laboratory conditions according to relevant test standards and application tests. Deviations are possible under practical conditions.

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## Safety and disposal instructions

### Safety

- This product produces an alkaline reaction when it comes into contact with moisture/water. Therefore ensure that skin and eyes are protected. If it should come into contact with the skin or eyes, rinse them thoroughly with water. See a doctor immediately if it comes into contact with the eyes.
- Follow further instructions in the safety data sheet.

### GISCODE

- ZP1 (products containing cement, low-chromate)

### Disposal

- Dispose of the material in accordance with the official regulations.
- Completely empty and recycle the packaging.
- Dispose of hardened product in accordance with the local regulations. Do not allow to enter the sewer system. Dispose of the hardened product in the same way as concrete waste and slurries. Waste code according to the Ordinance on the European Waste Catalogue depending on the origin: 17 01 01 (concrete) or 10 13 14 (concretewaste and concrete slurries).

## General notes

This information sheet provides only general recommendations. Should you have any queries relating to a specific application, please contact our technical sales advisor or call our hotline: +49 541 601-601. Since natural raw materials are used, the values and properties described may vary somewhat. All of the details given are based on our current knowledge and experience and on the assumption that the materials are professionally applied and used for their normal purpose. All of the details are non-binding and do not release users from their duty to undertake their own tests to ensure suitability for the intended application. Due to the effects of different weather, processing and construction site conditions, no guarantee can be given for the general validity of all details. We reserve the right to make changes as a result of further development of the product and applications engineering. The general rules for construction engineering, the valid standards and guidelines, and the technical working guidelines must be observed. The publication of this technical data sheet renders all previous editions of this data sheet void. Please obtain the latest information from our website.