akurit KIP-L

Lime lightweight plaster natural white

lime lightweight plaster for indoor use
Lightweight plaster mortar LW CS II acc. DIN EN 998-1

- attractive felt pattern
- with mineral lightweight aggregate

Applications

- as base plaster and as one or two-layer felted plaster in new builds or in renovation/restoration
- interior plaster for a healthy and balanced room climate
- for interior use

Properties

- vapour-permeable
- unique design opportunities
- low-stress hardening characteristics
- mineral
- behaviour in fire A1 - non-flammable

Composition

- calcium hydroxide in accordance with DIN EN 459-1
- low cement content
- finely fractionated, crushed limestone sand
- Mineral lightweight aggregates
- additives for regulating and improving workability and product properties

Substrate

General

- vertically perforated bricks
- Lightweight concrete, pumice and expanded clay
- open-pore aggregate wall elements made of lightweight concrete, pumice or expanded clay
- sand-lime bricks
- normal concrete
- concrete block masonry

Condition / Testing

- 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.
- The subsurface must be even, dry, clean, load-bearing, absorbent and free of adhesion impairing residues, efflorescence and sinter skins.
- Existing base plaster layers must have been roughened and have completely hardened.

Pretreatment

- Smooth or poorly absorbent masonry must first be spray coated with SCHWENK SAN-V Pre-spray Renovation Mortar or SCHWENK TVP Trass Pre-spray Plaster.
- In the case of concrete subsurfaces, apply a mineral bonding bridge, such as SCHWENK UNI-H or SCHWENK MH grey, using the combed bed method.

akurit KIP-L

Lime lightweight plaster natural white

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

- Suitable for processing by hand, or with conventional plastering machines.
- When machine-processing: Adjust the amount of water accordingly to obtain a workable consistency.
- Keep work interruptions to a maximum duration of 15 to 20 minutes.
- If the work is interrupted for longer periods, then clean the plastering machine and mortar hoses.
- 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 in layer thicknesses of at least 10 to maximum 20 mm.
- On highly or varyingly absorbent substrates, apply two layers, wet in wet.
- Always thoroughly roughen the entire surface of the intermediate layers once the surface has hardened sufficiently. Use a suitable tool such as a lattice plane.
- If the plaster is applied in layers, then allow an intermediate standing time of one day per mm of plaster thickness before applying the next layer.
- To produce modelled or washed out surfaces, cover material again after 1 to 3 days in a layer thickness of 5 to 10 mm.
- Apply on the base plaster as a felted plaster after 1 to 3 days in a thickness of 3 to 5 mm and felt off.

Processing time

- Approx. 2 hours 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.
- In case of unfavourable conditions, e.g. strong sunshine or draughts, suitable protective measures must be taken, particularly for freshly coated areas.
- Before applying the finish plaster, you must wait at least 1 day per mm of total plaster thickness.

Subsequent coating / workability

- Additional measures for pretreating the substrate may be necessary, depending on the subsequent coating.
- All mineral facing plasters are suitable as finish coats.
- As a subsequent coating for indoors we recommend applying a vapour diffusion permeable, silicate paint, e.g. AKURIT SanaSil Raum Aktiv.
- Suitable as a base plaster beneath ceramic tiles and panels with a weight per unit area of up to 25 kg/m², including adhesive.

Tool cleaning

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

Notes

- Carefully cover adjacent surfaces and components (e.g. windows, window sills, etc.). Wash off contamination immediately with water.
- To achieve a high-quality surface with an even felting pattern, always apply material in two layers.
- If tiles are to be laid on the surface, then strike off the plaster surface evenly and cleanly using a rod/plasterer's float. Do not smooth or felt the surface of the plaster.
- Separate any neighbouring components from the plastered area.
- If a sinter skin has formed on the surface, the skin must be removed before further layers are applied.
- In order to create perpendicular and flush corners and joints for the respective application area, use suitable plaster profiles. When selecting plaster bases and profiles, please observe DIN EN 13658 as well as the data sheet "Data sheet for planning and application of metallic plaster profiles outdoors and indoors", issued by the European trade association for plaster profile manufacturers.

Packaging

- 25 kg/sack
- loose in silo

akurit KIP-L

Lime lightweight plaster natural white

Storage

- Store sacks appropriately and in dry conditions on pallets.
- If stored in its original packaging, the product will keep for at least 12 months from the date of manufacture.

Quantity required / Yield

- consumption: approx. 10 kg/m² per 10 mm plaster thickness
- yield: app. 25 l fresh mortar per 25-kg-Sack
- yield: app. 1000 l fresh mortar per t

Technical Data

Product type	Lightweight plaster mortar LW
Category	CS II
Grain	0 – 1 mm
Water requirement	approx. 10.0 l/sack
Set mortar bulk density	approx. 1.1 kg/dm³
Compressive strength	1.5 - 5 N/mm²
Modulus of elasticity (dynamic)	1100 N/mm²
Adhesive tensile strength	≥ 0.08 N/mm²
Capillary water absorption	W_c0 according to EN 998-1
Water vapour permeability μ	5/20 (table value EN 1745)
Thermal conductivity	≤ 0.33 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.

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)

Disposel

- 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.

Sievert Baustoffe GmbH & Co. KG | Mühleneschweg 6 | 49090 Osnabrück
Tel +49 541 601-01 | Fax +49 541 601-853 | www.akurit.de | info@akurit.de