akurit SP

Scratch plaster / 6 mm / 8 mm

thick layer finish coat with scratched surface texture (high-grade scratch-finish plaster)
standard plastering mortar GP CS I acc. DIN EN 998-1

- Plaster application with 6 mm grain size: approx. 10 mm plus grain thickness
- Plaster thickness: finished scratched 10 mm
- Plaster application with 8 mm grain size: approx. 12 mm plus grain thickness
- Plaster thickness: finished scratched 12 mm

Verbesserte Qualität!

Applications

- finish plaster on mineral subsurfaces, for indoor and outdoor applications

Properties

- smooth and easy to process
- suitable for machine application
- high yield
- UV and weather resistant
- water-repellent
- highly water vapour permeable
- behaviour in fire A1 - non-flammable
- mineral

Appearance

- white, coloured and with mica or double mica
- colours: in accordance with ColorPoint 20.10 colour palette

Composition

- white cement in accordance with DIN EN 197-1
- calcium hydroxide in accordance with DIN EN 459-1
- graded silica sand according to DIN EN 13139
- additives for regulating and improving workability and product properties
- in case of coloured material: weather-resistant inorganic pigments

Substrate

Suitable substrates

- Lime, lime cement or cement-bonded base plasters or AKURIT SK light filling and adhesive mortar

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.
- Base plasters must be fully roughened up by using suitable measures, e.g. by being fully stripped. Reinforcement plasters and filler layers must be made rough and grippy (broom rough) by roughening the surface (using a sweeping brush) once they have stiffened.

Pretreatment

- Allow the base plaster to cure for at least one day per mm thickness of base plaster layer before applying the plaster.

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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

- Can be applied by hand and with open plastering machines.
- When machine-processing: Adjust the amount of water accordingly to obtain a workable consistency.
- 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 the fresh mortar fresh-on-fresh at 6 mm grain size approx. 10 mm plus grain thickness, at 8 mm grain size approx. 12 mm plus grain thickness.
- To avoid air entrapment, distort, compress and deaerate the fresh plaster with a toothed cardboard scraper.
- Shrinkage and/or blind cracks must be pressed shut before scratching.
- Once sufficiently hardened, scratch with suitable tool, e.g. the “spiked float”. The right time from scratching has arrived when the grain jumps out neatly and the material does not stick in the nail board.
- Connected facade areas must be scratched consistently without interruptions.
- After approx. 24 hours, sweep the finished plaster surface with a fine broom to scrape off the residual grain.
- Recommended machine equipment for grit sizes 6 and 8 mm: open plaster system, worm pump, plaster worm D 8-1.5 in short and long versions, mortar hoses MW 35 max. 40 and fine plaster unit MW 35 with borehole.

Processing time

- approx. 2 hours
- The stated times apply for a temperature of +20°C and relative humidity of 65%.
- 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.
- If the weather conditions are unfavourable (e.g. driving rain, frost, strong sunlight and/or winds), then suitable protection measures must be taken, particularly in the case of freshly coated surfaces.
- The drying and hardening process will be slowed down by low temperatures and/or high air humidity and accelerated by high temperatures and/or low air humidity.

Tool cleaning

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

Notes

- Always apply the plaster “wet in wet” to prevent flaws in the textured finish and avoid the creation of joints. When plastering larger areas, make sure that a sufficient number of skilled workers are deployed.
- In case of facing plaster coloured at the factory, always treat adjacent surface areas with material from the same batch to prevent colour deviations.
- Carefully cover adjacent surfaces and components (e.g. windows, window sills, etc.). Wash off contamination immediately with water.
- Differences in the texture and/or colour of the finished surface compared to sample areas or colour charts may occur.

Packaging

- 25 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 12 months from the date of manufacture.

Quantity required / Yield

- Consumption:
  approx. 28 kg/m² with 6 mm grain size
  approx. 33 kg/m² with 8 mm grain size
- yield: app. 17 l fresh mortar per 25-kg-Bag

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Technical Data

Product type	standard plastering mortar GP
Category	CS I
Compressive strength	0.4 - 2.5 N/mm²
Grain	approx. 6 mm, approx. 8 mm
Water requirement	approx. 5.5 l per 25 kg/sack
Set mortar bulk density	approx. 1,7 kg/dm³
Fire behaviour	A1 (non-flammable) in accordance with EN 13501
Adhesive tensile strength	≥ 0.08 N/mm²
Capillary water absorption	W_c2 according to EN 998-1
Water vapour permeability μ	15/35 (table value EN 1745)
Thermal conductivity $\lambda_{10,dry,mat.}$ for P=50%	≤ 0.82 W/(mK)
Thermal conductivity $\lambda_{10,dry,mat.}$ for P=90%	≤ 0,89 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.
- Specifications regarding the classification and labelling of the product can be found in the safety data sheet at www.quick-mix.de.

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.