

akurit PSH

Silicone resin plaster

Machineable pasty silicone resin finishing plaster with scratch (K) or groove (R) texture for exterior use

Finish coat acc. EN 15824

- with film encapsulation protection
- ready-to-use
- highly water vapour permeable (V1)
- highly water-repellent



Applications

- for AKURIT thermal insulation systems
- for mineral and organic substrates
- suitable for wall-base areas

Properties

- with encapsulated film protection against algae and mould infestation
- highly water-repellent
- weatherproof
- ready-to-use

Appearance

- colours: in accordance with ColorPoint 20.10 colour palette

Substrate

Suitable substrates

- mineral priming or reinforcement plasters in category CS II with a minimum compressive strength of 2 N/mm², CS III or CS IV
- organically-bound primer and reinforcement plasters
- normal concrete

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 substrate must be dry, load-bearing, clean, dust-free and free of adhesion-reducing residues, release agents, efflorescence and sintered coatings.
- Damp or incompletely-adhered substrates can lead to damage in the subsequent coatings.
- Test existing coatings for load capacity (e.g. carry out peel-off or cross-cut test).

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Pretreatment

- Non-load-bearing coatings must be completely removed.
- Depending on the type and condition of the substrate, a reinforcing or absorbency-regulating primer may be required.
- On load-bearing mineral substrates, the application of an absorption-equalising and adhesive-improving intermediate coating of AKURIT GPG plaster primer or AKURIT GMG mineral primer is recommended. The absence of an intermediate coating can affect the processing characteristics and the appearance of the product.
- On load-bearing organic substrates, if the colour of the plaster primer is very different from the colour of the substrate, the application of a colour tone-compensating intermediate coating of finish coat is recommended. If applying a ridged finish coat, an intermediate coating must always be applied.
- For grain sizes < 2 mm of the finishing coat additional measures for levelling the substrate may have to be taken.

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.
- Can be combined with AKURIT PTB FixUP as drying accelerator for pasty facade plasters to increase the early rain resistance in the transitional seasons with strongly fluctuating day and night temperatures.

Mixing / Preparing / Processing

- Stir product well before use.
- Depending on the substrate and the application process, adjust working consistency as far as possible with a little clean tap water.
- Do not dilute intensely colour toned material. If essential, use a little water only. Too much dilution affects the characteristics of the material, e.g. with regard to usability, coverage and colour tone intensity.

Applying / Processing / Assembling

- Apply a grain size of material manually with a stainless steel trowel. Then texture with an appropriate tool, e.g. plastic trowel.
- The product can be sprayed with a hopper gun or standard fine plastering machine. It can be sprayed on and then textured. Manual reworking is normally required to achieve the wanted appearance/texture.

Drying / Hardening

- The drying time is at least 24 hours at +20 °C and 65% relative humidity.
- The material achieves its strength as the binder forms a film during the drying process. Drying is slower at high relative humidity and/or low temperatures.
- 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.

Tool cleaning

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

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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.
- Optically related areas must be prepared with material from the same production batch to prevent colour differences.
- The light reflectance value of the final coat in thermal insulation composite systems may not fall below 20.
- Not suitable for horizontal or inclined surface areas exposed to the elements.

Packaging

- 25 kg/bucket

Storage

- Store in the original, unopened packaging in dry, frost-free conditions.
- Protect against direct sunlight.
- Can be stored for at least 12 months in sealed original container.

Quantity required / Yield

- consumption:
approx. 1.8 / 2.4 / 3.1 / 4.2 kg/m² for K 1 / 1.5 / 2 / 3 mm
approx. 2.2 / 2.7 / 3.5 kg/m² for R 1.5 / 2 / 3 mm

Technical Data

Density	1.65 – 1.95 g/cm ³
Diffusion-equivalent air layer thickness (s_{D-value})	< 0.14 m V1 (high) EN ISO 7783
Water permeability rate	< 0.05 kg/(m ² h ^{0.5}) W3 (low)
Water vapour diffusion resistance μ	< 70
Fire behaviour	B-s1, d0 according to EN 13501
Thermal conductivity λ	0.7 W/(mK) according to DIN 4108
Adhesive tensile strength on concrete	≥ 0.3 N/mm ² according to EN 1542

All data are average values that were determined under laboratory conditions according to relevant test standards and application tests. Deviations in the technical parameters are possible due to tints.

Safety and disposal instructions

Safety

- If any product gets into the eyes, rinse out immediately with clean tap water. Consult optician. Clean with plenty of water after skin contact.
- Contains the preservative 1.2-benzisothiazol-3(2H)-one, mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). Can trigger allergic reactions.
- Follow further instructions in the safety data sheet.

GISCODE

- BSW50 (coating materials, water-based, solvent-based, film-protected)

Dispose!

- Dispose of the material in accordance with the official regulations.
- Completely empty and recycle the packaging.

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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. 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.