

akurit SAN-VS

Pre-spray renovation mortar

mineral WTA pre-spray renovation mortar

standard plastering mortar GP CS IV acc. EN 998-1

- with high sulphate-resistance
- colour: grey



Applications

- pre-spray plaster / rough cast for akurit renovation levelling plasters
- suitable for masonry containing sulphate

Properties

- mineral
- improves the bond between the plaster primer and subsequent renovation plaster
- does not affect vapour diffusion permeability
- good workability
- good adhesion
- suitable for machine application

Composition

- Cement with high sulphate-resistance according to DIN EN 197-1
- graded stone aggregates in accordance with DIN 13139
- additives for regulating and improving workability and product properties
- low-chromate

Substrate

Suitable substrates

- All types of masonry

Condition / Testing

- The substrate must be load-bearing, clean and free of adhesion-reducing residues.
- 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

- Old plaster must be removed at least 80 to 100 cm above the visible or adjacent damaged zone up to the masonry.
- Crumbly masonry joints are to be scraped out approx. 2 - 3 cm deep.
- Damaged stones must be replaced.
- Completely remove non-load-bearing plaster, coatings or salt efflorescence.
- Clean masonry thoroughly and remove dust.
- Highly absorbent substrates should be wetted in good time, days before if need be.

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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

- Suitable for processing by hand, or with conventional plastering machines.
- When using plastering machines, no additional equipment (e.g. additional mixers or air-entrained worm casing) needs to be used.
- When machine-processing: Adjust the amount of water accordingly to obtain a workable consistency.
- 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.
- Do not mix with other products and/or other substances.

Applying / Processing / Assembling

- Pre-mix plaster surface-rough, net-like approx. 50 – 60 % semi-covering.

Processing time

- Approx. 2 to 3 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

- Rest time depending on temperature and weathering at least 1 day.
- 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.

Subsequent coating / workability

- Further coating with akurit renovation plasters according to WTA 2-9. Please observe the technical data sheet for the selected product or our project-related renovation proposal for this purpose.

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.
- The akurit renovation plaster recommendation must be observed.
- Construction rubble close to the renovation site must be removed every day to prevent salt remigration.

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. 4 kg/m² semi-coverage
- yield: app. 14.5 l fresh mortar per 25-kg-Bag

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Technical Data

Product type	standard plastering mortar GP
Category	CS IV
Grain	0 – 4 mm
Water requirement	approx. 6.0 l per 25 kg/sack
Set mortar bulk density	approx. 1.7 kg/dm ³
Compressive strength	≥ 6.0 N/mm ²
Fire behaviour	A1
Adhesive tensile strength	≥ 0.08 N/mm ²
Capillary water absorption	W _c 1 (in accordance with EN 998-1)
Water vapour permeability μ	15/35 (table value EN 1745)
Thermal conductivity λ_{10,dry,mat.} for P=50%	≤ 0.82 W/(mK)
Thermal conductivity λ_{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.
- 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 (concreteste 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. WTA is the German scientific-technical working group for building preservation and monument conservation (Wissenschaftlich-Technische Arbeitsgemeinschaft für Bauwerkserhaltung und Denkmalpflege e. V.). 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.