

akurit PDS

Emulsion filler

organic, cementless reinforcing mortar for EPS insulation boards

Exterior plaster acc. EN 15824

- for mineral and organic substrates
- ready-to-use



Applications

- for AKURIT thermal insulation systems
- for smoothing and levelling of concrete and plaster surfaces
- suitable for wall-base areas

Properties

- smooth and easy to process
- good stability under load
- high elasticity

Composition

- Binder basis: Polymer dispersion
- Mineral fillers
- additives for regulating and improving workability and product properties

Substrate

Suitable substrates

- EPS insulation panels
- old load-bearing plaster surfaces

Condition / Testing

- The subsurface must be even, dry, clean, load-bearing, absorbent and free of adhesion impairing residues, efflorescence and sinter skins.
- The load-bearing capacity, particularly of old plaster and old paintwork, must be properly tested (e.g. by carrying out a pull-out test or cross-cut test).

Pretreatment

- When using polystyrene insulation panels, sand down uneven areas and panel offsets and brush sanding dust off thoroughly.

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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

- Stir product well before use.
- Depending on the substrate, adjust to working consistency as required with maximum 2% clean tap water.

Applying / Processing / Assembling

- Apply material over the entire surface using an appropriate, non-rusting tool.
- Layer thickness: 2 – 3 mm
- Pull the reinforcement mesh tight and inlay crease-free in the top third of the plaster layer. The individual fabric strips must overlap one another by at least 10 cm and be covered with reinforcement mortar.
- Product applied with a spatula can be processed for approx. 15 - 20 minutes (+20°C / 65% RH)

Drying / Hardening

- 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.
- Can be worked over after approx. 12 hours drying time (at +20 °C and 65% relative humidity).
- 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.

Subsequent coating / workability

- AKURIT dispersion or silicone resin plasters can be applied as a finish coat.

Tool cleaning

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

Notes

- Take into consideration the respective system permissions when using the product in thermal insulation composite systems.
- For more execution information about processing the product in the ETICS, see brochure "ETICS - basic principles and planning".
- Carefully cover adjacent surfaces and components (e.g. windows, window sills, etc.). Wash off contamination immediately with water.

Packaging

- 25 kg/bucket

Storage

- Store in the original, unopened packaging in dry, frost-free conditions.
- 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. 2,5 – 3,5 kg/m² per 2 – 3 mm plaster thickness

Technical Data

Density	1,7 – 1,9 g/cm ³
Diffusion-equivalent air layer thickness (s_{D-value})	0,59 – 0,67 m V2 (medium)
Water permeability rate	< 0.05 kg/(m ² h ^{0.5}) W3 (low)
Water vapour diffusion resistance μ	250 – 400 V2 (medium)
Fire behaviour	A2-s1, d0

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

- Not a hazardous substance in the sense of the German Ordinance on Hazardous Substances.
- If any product gets into the eyes, rinse out immediately with clean tap water. Consult optician. Clean with plenty of water after skin contact.
- Follow further instructions in the safety data sheet.

GISCODE

- BSW20 (coating materials, water-based)

Disposal

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

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.