

# akurit PDK

Emulsion adhesive

## organic, cement-free adhesive mortar

- for boards and flat substrates
- ready-to-use



## Applications

- in AKURIT thermal insulation composite system Z-33.47-726
- for gluing EPS and mineral wool lamella insulation boards to board materials in timber construction
- for external and interior use

## Properties

- excellent adhesive properties
- solvent-free
- ready for use
- smooth and easy to process

## Composition

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

## Substrate

### Suitable substrates

- organically bonded wood-based panels according to DIN EN 13986 and DIN V 20000-1 with a thickness  $\geq 12$  mm (particleboards according to DIN EN 312- type P5 or P7, plywood according to DIN EN 636 - type 2 or 3, fibreboards according to DIN EN 622-2 and DIN EN 622-3 and sanded OSB boards according to DIN EN 300)
- cement-bonded particleboards according to DIN EN 634-2
- gypsum-bonded particleboards
- Gypsum fibreboards
- Fibre cement boards according to DIN EN 12467 (uncoated and without impregnation/hydrophobicising) of category B produced in the Hatschek process
- Gypsum plasterboards according to DIN EN 520 with the properties EH2 or FH2 and in addition with the properties according to GKBI or GKFI designation according to DIN 18180, panel material thickness  $\geq 12$  mm

### Condition / Testing

- The subsurface must be even, dry, clean, load-bearing, absorbent and free of adhesion impairing residues, efflorescence and sinter skins.
- Panel bases must be installed and assembled dry, smooth and even as well as be free of separating residue.

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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 adhesive mortar over the whole area onto the substrate or the insulation panel with a 4x4 mm notched trowel using the combed bed method.
- When applying adhesive onto the substrate, press or float insulation panels into the still fresh, wet adhesive bed.

### Drying / Hardening

- Can be further coated as a rule after approx. 24 to 48 hours.
- 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

- 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

- 20 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. 0.80 – 1.50 kg/m<sup>2</sup>

## Technical Data

Density	1,3 – 1,5 g/cm <sup>3</sup>
Diffusion-equivalent air layer thickness	V2 (medium)
Water permeability rate	< 0.05 kg/(m <sup>2</sup> h <sup>0.5</sup> ) W3 (low)
Water vapour permeability	V2 (medium) according to EN ISO 7783-2
Rated value of the thermal conductivity $\lambda$	0,7 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

- 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.
- Dried product remains can be disposed of according to waste directory ordinance under the Waste Code 08 01 12 (ink and paint wastes with the exception of those falling under 08 01 11).

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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.