

# akurit PU

Adhesive foam

## single-component PU foam, moist-hardening

- non-adhesive after 4 – 10 minutes
- can be cut after 30 - 50 minutes (30 mm strip)
- colour: green



## Applications

- for bonding EPS insulation panels
- the use of grooved and spring insulation boards is recommended
- identical with “quick-mix PUS ETICS adhesive foam” concerning abZ/aBg Z-33.4.1-40 and Z-33.43-105
- for external use

## Properties

- low expansion
- high yield
- single-component
- moisture-curing
- shear and abrasion resistant
- easy to process
- resistant to decay, heat, water and many chemicals
- flame resistant in system structure B1
- free from CFCs, HCFCs and HFCs

## Composition

- Polyurethane prepolymer, moisture-hardening

## Substrate

### Suitable substrates

- All types of masonry
- old load-bearing plaster surfaces
- Concrete

### Condition / Testing

- The substrate must be dry, load-bearing, clean, dust-free and free of adhesion-reducing residues, release agents, efflorescence and sintered coatings.
- 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.
- Partial uneven areas in the substrate can be levelled up to 1 cm/m with bonded and up to 2 cm/m with bonded and anchored systems.

### Pretreatment

- Non-load-bearing plaster and paint, loose parts, dust and dirt must be removed.
- If necessary, dampen the substrate being bonded before application.

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### Processing

#### Temperature

- Do not use in case of air and substrate temperatures of less than +0°C or over +35°C.
- The temperature of the can must be at least +10°C during processing.

#### Mixing / Preparing / Processing

- Shake can well at least 20 times before each use.
- Take the cap off the can and screw on the dispensing gun.
- Always hold can with valve facing downwards. The amount released in the case of spray foam is dosed by pressing the trigger and the dosing screw on the gun.
- The adjusting screw on the gun is to be used to set the adhesive bead to a diameter of approx. 30 mm.

#### Applying / Processing / Assembling

- Hold can with valve facing downwards and apply adhesive foam onto the back of the panel all around close to the edge and once in the centre in an M or W shape.
- A gap of 1 – 2 cm is to be maintained between the gun nozzle and EPS panel during the application.
- The insulation panels are attached to the wall immediately after applying the adhesive foam. When doing so, press the insulation panels onto the wall with light pressure without banging so that a very small adhesive layer thickness of <10 mm is achieved.
- The adhesive area ratio (contact area between wall and insulation panel) must be at least 40 % in the pressed on state.
- The insulation panels are to be laid connected.
- Align the insulation panels with a straightedge within the adhesive working time.
- If the foam structure is disturbed when the insulation panel is attached, the panel must be removed and the required amount of adhesive foam applied again.
- Any pressing (expansion) of the foam is minimised by using tongue and groove insulation panels.

#### Processing time

- Non-adhesive after approx. 4 – 10 minutes.
- Can be trimmed after approx. 30 - 50 minutes.
- A can can be processed with an interruption. In case of a longer break, it is essential to close the adjusting screw on the dispensing gun. Leave can on the dispensing gun until it is completely emptied. Then screw another can on immediately or clean the dispensing gun.

#### Drying / Hardening

- Bonded insulation panels can be reworked or further processed after approx. 3 hours.
- Can be exposed to full loads depending on moisture and temperature after approx. 24 hours.

#### Tool cleaning

- Clean tools and equipment immediately after use with thinner, e.g. acetone.
- Hardened material can only be removed mechanically.

#### Notes

- Not suitable for bonding insulation panels in the base joint area or the area in touch with the soil.
- Use AKURIT PS spray foam for filling joints.
- Remove fresh foam splashes immediately with suitable solvent, e.g. acetone. Test solvent compatibility beforehand on an out-of-sight area.
- Do not expose the foam to outdoor weather for a long period, as this is not UV resistant.

### Packaging

- 880 ml/can; 12 cans/box

### Storage

- Store in the original, unopened packaging in dry, frost-free conditions.
- protect against direct sunshine and temperatures above 50°C
- store upright

### Quantity required / Yield

- Yield: approx. 3.5 – 6 m<sup>2</sup> per can, depending on processing, substrate and consistency

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## Technical Data

<b>Processing temperature</b>	+10°C to +30°C (optimal +20°C)
<b>adhesive-free, 30 mm strand</b>	4 – 10 minutes
<b>Cuttability</b>	30 – 50 minutes
<b>Revisability</b>	after approx. 3 hours
<b>Resilience</b>	after approx. 24 hours
<b>Thermal conductivity according to EN 52612</b>	0.036 W/(mK)
<b>Temperature resistance, permanent</b>	-40°C up to +90°C
<b>Colour</b>	green

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

- Caution: Can contains flammable propellant.
- Follow further instructions in the safety data sheet.
- Not damaging to health once hardened.

### 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.