

# akurit PMD 035 white

Perimeter/base insulation panel

**EPS insulation panel according to DIN EN 13163 and general building approval made of expanded polystyrene (EPS), flame retardant - building material class B1**

- thermal conductivity:  $\lambda = 0.035 \text{ W/(mK)}$
- dimensions: 1000 x 500 mm



## Applications

- external thermal insulation of walls against soil (outside the waterproofing), PW according to DIN 4108-10 in case of loads from ground moisture and non-standing seepage water
- take account of supplement from design certification when it comes to thermal conductivity

## Properties

- thermally insulating
- dimensionally stable
- economical
- kind to the skin
- age-resistant
- good workability

## Substrate

### Condition / Testing

- The substrate must be dry, load-bearing, clean, dust-free and free of adhesion-reducing residues, release agents, efflorescence and sintered coatings.
- The substrate for the bonding process is to be checked for load bearing capacity according to the state of the art and relevant standards and pre-treated if necessary.
- The compatibility of any coatings present with the adhesive mortar must be expertly checked.

## Processing

### Applying / Processing / Assembling

- The insulation boards must be bonded over the entire surface, e.g. with akurit UNI-SD Universal Sockel-Dicht.
- The adhesive is to be combed on with a notched trowel immediately before positioning the insulation panel.
- Position insulation panels immediately, at the latest however 10 minutes after applying the adhesive, in horizontal rows with at least 10 cm overlap butt jointed and press on whilst pushing. Cross joints are to be avoided.
- Do not allow any adhesive mortar to get into the panel joints.
- No open joints must develop between the panels.

### Notes

- The application of the perimeter insulation system is permitted down to depths of 3 m below the ground surface.
- The package insert for the perimeter insulation panel is to be kept for the site documentation.
- The application of the perimeter insulation system in the capillary fringe of the groundwater (as a rule approx. 30 cm above groundwater level) and in the area of pressing water is not permitted. Perpendicular traffic loads of more than  $5 \text{ kN/m}^2$  on the adjacent terrain must maintain a distance of at least 3 m from the perimeter insulation system.

## Available insulating material thicknesses

- 20 mm, 30 mm, 40 mm, 50 mm, 60 mm, 80 mm, 100 mm, 120 mm, 140 mm, 160 mm, 180 mm, 200 mm, 220 mm, 240 mm, 260 mm, 280 mm, 300 mm, 320 mm, 340 mm, 360 mm, 380 mm, 400 mm

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## Storage

- Store dry and as per instructions.
- Protect against direct sunlight.

## Technical Data

<b>Dimensions</b>	1000 x 500 mm
<b>Rated value of the thermal conductivity <math>\lambda</math></b>	in the base joint area 0.035 W/(mK); in the soil according to type approval/declaration of performance up to 0.41 W/(mK)
<b>Compressive strength in case of 10 % compression</b>	$\geq 150$ kPa
<b>Building material class</b>	B1 (flame-resistant) according to DIN 4102-1
<b>Fire behaviour</b>	E according to EN 13501

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.

## 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.