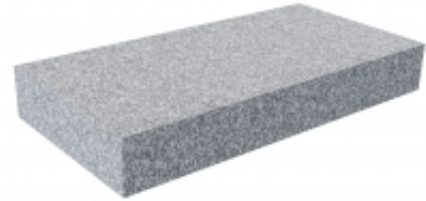


Alsitherm EPS 034 Quattro Elastifiziert

Polystyrene insulation boards for alsecco facade systems



AREAS OF APPLICATION

Artikel	Description
Alsitherm EPS 034 Quattro Elastifiziert	Insulation boards with butt edges for fixing by means of bonding or bonding and anchoring with increased thermal insulation for alsecco facade systems.

PRODUCT PROPERTIES

- Area of application according to DIN 4108-10: WAP
- Dimensionally stable
- Quality controlled according to DIN EN 13163 and the quality guidelines for facade insulation boards of the IVH (Industrial Association for Rigid Foam) and the ETICS Trade Association.
- HBCD free, CFC and HCFC free
- Flame-resistant according to DIN 4102
- EPS - DIN EN 13163 - T1 - L2 - W2 - S2 - P3 - DS(70,-)5 - DS(N)2

TECHNICAL DATA

Fire behavior	B1 according to DIN 4102 E according to DIN EN 13501
Thermal conductivity λ	Calculation value 0,034 W/(mK) in accordance with DIN 4108-4 Rated value λ_D : 0,033 W/(mK)

Dimensions	Type	Dimension
	Elasticated	100 x 50 cm

Water vapour diffusion resistance μ 20/40 according to DIN EN 13163

Water absorption < 1 kg/m² according to EN 1609

Dynamic Stiffness (to DIN EN 13162 / DIN EN 29052-1)

Type	value
Elasticated	$s' \leq 20 \text{ MN/m}^3, (\geq 80 \text{ mm})$
	$s' \leq 15 \text{ MN/m}^3, (\geq 120 \text{ mm})$
	$s' \leq 10 \text{ MN/m}^3, (\geq 160 \text{ mm})$
	$s' \leq 7 \text{ MN/m}^3, (\geq 200 \text{ mm})$

APPLICATION INSTRUCTIONS

Substrate pre-treatment

Pretreat substrates according to the application instructions for the adhesive.

Application

Fixing in bonded as well as bonded and anchored systems:

Depending on the substrate, bond with respective system adhesive mortar according to the bead-spot method.

Bonding surface percentage of at least 40%.

Ensure a minimum bonding of 60% for adhesive applications on walls.

Adhesive application using buttering-floating method is possible for very level substrates.

Butt insulation boards together. Do not apply any adhesive to butt or bed joints.

Installation using stretcher bond formation offset by at least 10 cm. Interlock insulation material on building corners.

Butt joints on insulation boards may not be above the connection zones of different components (e.g. ring beams, roller shutter boxes, element joints). Here, the insulation material should bridge a space of at least 10 cm and be supported on both sides by means of a reliable bond.

Seal open joints between the insulation boards with filling foam B1 for joint widths < 0.5 cm, seal larger joints using insulating strips.

For substrates suitable for bonding, provide additional structural anchoring if necessary.

Anchoring of substrates unsuitable for bonding according to the general approval by building authorities for ETICS.

Observe the application instructions for the adhesive when using Speed-Fix adhesive foam.

Follow-up work

Sand down unevenness and remove the accumulated dust (see "Installation ETICS" brochure).

Consumption

Type	Consumption ca.
Elasticated	1,0 m ² /m ²



Informations	<p>Unrendered insulation boards on the facade must be protected against moisture and coated with reinforced undercoat render as soon as possible.</p> <p>Do not install damaged insulation boards.</p> <p>The existing expansion joints on the building must be included in the external thermal insulation cladding system.</p> <p>Limitations regarding the thickness of render layers must be observed on elasticised insulation boards. The minimum layer thickness of the reinforcement layer should not be less than 4 mm. The weight of the render (undercoat render and finishing coat) is limited to a max. of 15 kg/m².</p> <p>You can find possible fire protection measures for greater thicknesses (100 mm < d ≤ 300 mm) to maintain flame resistance in the respective approval or the explanations: Technical system information - ETICS compendium - and fire protection published by VPDM (Insulation Systems, Render and Mortar Federation).</p>
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STORAGE

Dry, protected against moisture and sunlight.

PACKAGING INFORMATION

Colour	Grey-white speckled
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OTHER INFORMATION

Information on safety	The information provided in the current safety data sheet applies.
Transportation	Not a hazardous material
Waste code	17 06 04(class II waste disposal, household and construction waste disposal)

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The above information is based on many years of experience and tests and is provided by us to the best of our knowledge. Such information applies in addition to our application guidelines. However, we cannot accept any responsibility for the correctness of our recommendations on account of wide variety of substrates and of on-site conditions and applications which are outside our control. Any recommendations provided by our employees and deviating from these documents must be given in writing. We reserve right to make any changes on account of technical progress or building regulations. Your technical advisor will be pleased to provide the relevant product data sheets.

