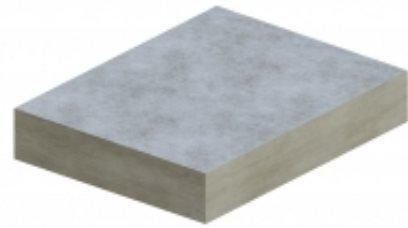


Mineralwolle-Dämmplatte 035 WVP

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Mineral-wool insulation board for for alsecco façade systems



AREAS OF APPLICATION

Fireproof mineral wool insulation boards for bonded and mechanically fixed alsecco facade insulation systems

PRODUCT PROPERTIES

- Area of application according to DIN 4108-10: WAP-zg
- Approved according to the Ordinance on Hazardous Substances (GefStoffV), List of Prohibited Hazardous Substances (ChemVerbotsV and EU Directive 97/69 (note Q))
- Quality controlled according to DIN EN 13162 and general approval by building authorities
- Class A1 (DIN EN 13501-1), fireproof
- Improved effect of sound absorption and insulation

TECHNICAL DATA

Fire behavior	A1 according to DIN EN 13501-1
Thermal conductivity λ	Rated value: 0,035 W/(mK) in accordance with DIN 4108-4
Dimensions	800 x 625 mm
Thickness	40 - 240 mm (1 layer) 200 - 400 mm (2 layers)
Melting point	≥ 1000 °C
Tensile strength at right angles to board (to DIN EN 13163)	$\geq 3,5$ kPa
Water vapour diffusion resistance μ	approx. 1 according to DIN EN 12086

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

Type	Value
Mineral wool	$s' \leq 12 \text{ MN/m}^3, (\geq 60 - 70 \text{ mm})$
	$s' \leq 9 \text{ MN/m}^3, (\geq 80 - 90 \text{ mm})$
	$s' \leq 7 \text{ MN/m}^3, (\geq 100 - 110 \text{ mm})$
	$s' \leq 6 \text{ MN/m}^3, (\geq 120 - 130 \text{ mm})$
	$s' \leq 5 \text{ MN/m}^3, (\geq 140 - 170 \text{ mm})$
	$s' \leq 4 \text{ MN/m}^3, (\geq 180 - 220 \text{ mm})$

length-specific flow resistance r according to DIN EN 29053

30 kPa*s/m²

Density

ca. 120 kg/m³ ± 15%

Coatings

Reinforcement side: coated white

Adhesive side: uncoated

APPLICATION INSTRUCTIONS

Substrate pre-treatment

Pretreat substrates according to the application instructions for the adhesive.

Application as insulating material

Depending on the substrate, fix in position with system-specific bonding mortars using the spot-and-bead method or the combed-bed method (40 % bond min.)
Adhesive application on the uncoated side of the insulation board after scratch coat.

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

Butt insulation boards together.

Do not apply any adhesive to butt or bed joints.

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 up to a max. of 5 mm, seal larger joints using insulating strips.

Double layer bonding:

The mineral wool boards can be applied single layer up to 240 mm and double layered from 200 to 400 mm. For a double layered system, boards need to be min. 100 mm and max. 200 mm thick. The joints of the second layer need to be offset from the first layer and bonded with a 100% adhesive surface.

Anchor mineral wool insulation boards according to the approval for the insulation material by the building authorities. The anchoring of the boards can take place depending on the application circumstances and plug type either on the surface and joint or only on the surface.

Mechanical fixing of Insulation with a thickness of 200 or more is only possible with an insulation disk diameter of min. 90 mm.



Flush anchoring:

Flush anchoring can take place either as pure surface anchoring or as anchoring on surface and joint with insulation disk diameters of 60 or 90 mm.

Recessed anchoring:

Recessed anchoring using the insulation disk VT G2 can also be permissible as pure surface anchoring or as an alternative also as surface and joint.

Countersunk anchoring:

In the case of pure surface anchoring, a countersunk application of the anchors is also possible. This is permissible up to a max. wind load of $w_e \leq 1.345 \text{ kN/m}^2$ and an insulation thickness as of 120 mm. The anchors must be mounted using the Alsifix Tool-Set with 20 mm cutting plate.

To be able to use pure surface anchoring, the distance of the anchors to the edge of the insulation must be at least 15 cm and the distance of the anchors to one another must be at least 20 cm.

Informations

The insulation material is not suitable for the incorporation of spiral plugs and mounting elements such as DoRondo-PE mounting cap or ZyRillos mounting cylinder, which are solely adhered to the insulation material. Components can only be fixed using corresponding mounting elements in insulation thickness.

Unrendered insulation boards on the facade must be protected against moisture and coated with reinforced undercoat render as soon as possible.

Do not install damaged insulation boards.

STORAGE

Dry, protected against moisture.

PACKAGING INFORMATION

Colour	Reinforcement side: white Adhesive side: brown-yellow
Packaging unit	Please also refer to the current product range

OTHER INFORMATION

Waste code	17 06 04(class II waste disposal, household and construction waste disposal)
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