

Perimeter Insulation Board 3829



032 WAP/036 PW, blunt edges, rot-resistant, for base and perimeter insulation in the Brillux ETIC System

Field of application

Insulation board for external base and perimeter insulation of walls in contact with the ground in the Brillux ETIC System. Can be used as perimeter insulation up to 3 m below ground level.

Properties

- Hard foam insulation board made of expanded polystyrene hard foam
- Rot-resistant
- With waffled surface texture
- Easy to apply
- Resistant to moisture
- Approved as perimeter insulation board up to 30 cm

Material description

Rated thermal conductivity λ_B	0.032 W/(m·K) in accordance with DIN 4108-4, for the base area 0.036 W/(m·K) from insulation thickness \geq 6 cm for areas in contact with the ground
Nominal value of the thermal conductivity λ_D	0.031 W/(m·K) in accordance with EN 13163 for the base area
Reaction to fire	Class E in accordance with DIN EN 13501-1
Water vapor diffusion resistance value μ	30/70 in accordance with DIN EN 12086
Compressive strength or compressive stress	\geq 0.15 N/mm ² with 10% compression in accordance with DIN EN 826
Dimensional stability	< 0.2% in normal climate
Length and width tolerance	Max. 3 mm

Material description

Thickness tolerance	± 2 mm
Perpendicularity	± 5 mm/m
Edge design	Blunt edges, > 20.0 cm with step rabbet
Insulation board format	Length: 100 cm / Width: 50 cm
Thicknesses/packaging	Insulation board thicknesses
	m ² per pack
2 cm ¹⁾	Approx. 12.0 m ²
3 cm ¹⁾	Approx. 8.0 m ²
4 cm ²⁾	Approx. 6.0 m ²
5 cm ²⁾	Approx. 4.5 m ²
6 cm	Approx. 4.0 m ²
8 cm	Approx. 3.0 m ²
10 cm	Approx. 2.0 m ²
12 cm	Approx. 2.0 m ²
14 cm	Approx. 1.5 m ²
16 cm	Approx. 1.5 m ²
18 cm	Approx. 1.0 m ²
20 cm	Approx. 1.0 m ²
22 cm ³⁾	Approx. 1.0 m ²
24 cm ³⁾	Approx. 1.0 m ²
26 cm ³⁾	Approx. 0.5 m ²
28 cm ³⁾	Approx. 0.5 m ²
30 cm ³⁾	Approx. 0.5 m ²

¹⁾ Only applicable for insulation in the base area.

²⁾ Refer to the Brillux Consulting Service for the insulation thicknesses of 4 and 5 cm in areas in contact with the ground.

³⁾ When using insulation thicknesses greater than 20 cm in areas in contact with the ground, only use insulation boards with the edge design "step rabbet".

Storage

Store in a dry place and protect from moisture. Do not leave it unprotected and exposed to intensive sunlight for an extended period of time.

Use

Substrate preparation The substrate must be clean, solid, dry, stable, load-bearing, with good adhesiveness, and free from efflorescence, sintered layers and separating agents.

Bonding Bond the Perimeter Insulation Board 3829 with ETICS BaseTec 3540 in accordance with the specifications for perimeter or base insulation. Protect insulation boards from weathering, e.g., direct sunlight at high summer temperatures, rain and hail, by taking appropriate measures or rework as soon as possible with reinforcement plaster/mortar or suitable backfill material.

Observe the information in the "perimeter insulation" or "base insulation" data sheets and the ETICS BaseTec 3540 data sheet for processing in the soil or base areas that are in contact with the ground.

Use

- Application temperature** Do not install at air and object temperatures above +30°C; also during the curing time.
- Cutting insulation boards to size** Individual insulation boards can be cut to size with the ETICS Cutting Tool 105-30S 1463 or the Hard Foam Saw 3798. Further information can be found in the Brillux tool product range.

Notes

- Solvent-free priming** Polystyrene hard foam is attacked by solvents. Therefore, only solvent-free primers should be used.
- Further information** Follow the instructions in the data sheets of the products used.

Remark

This data sheet is based on extensive development work and years of practical experience. The translation corresponds to the current German version, in compliance with the German laws, regulations, standards and guidelines. Its content does not constitute a contractual legal relationship. The user/buyer is not released from the responsibility of checking our products to ensure they are suitable for the intended application. In addition, our general terms of business apply.

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