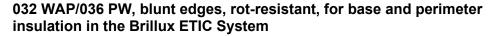
Data Sheet

Perimeter Insulation Board 3829





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 0.032 W/(m·K) in accordance with DIN 4108-4, for the base area

conductivity $\lambda_B = 0.036 \text{ W/(m \cdot \text{K})}$ from insulation thickness $\geq 6 \text{ cm}$ 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

≥ 0.15 N/mm² with 10% compression in accordance with DIN EN 826

Dimensional stability < 0.2% in normal climate

Length and width tolerance Max. 3 mm



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 m² per pack

thicknesses

2 cm 1)	Approx.	12.0 m²
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 m²

¹⁾ Only applicable for insulation in the base area.

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.



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".

Use

Application temperature Do not install at air and object temperatures above +30°C; also during

the curing time.

Cutting insulation boards Individua

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.

When a new version of this data sheet with updated information is published, the previous version no longer applies. The current version is available on our website. Version I

Brillux Weseler Straße 401 48163 Münster GERMANY Phone +49 251 7188-0 Fax +49 251 7188-105 info@brillux.de www.brillux.com

