

EPS MECCANICO R

Technical Sheet - Issue 02/2022



Insulation panel made of white conventional sintered expanded polystyrene (EPS). TERMOK8 MECCANICO.

DESCRIPTION

Thermal insulation panel made of sintered expanded polystyrene (EPS), cut from a block and ideal for external thermal insulation systems: ETICS certified in compliance with EAD 040083-00-0404 guidelines (formerly ETAG 004) and standard UNI EN 13500:2005, with "Certificate of Conformity" [UNI EN 13163].

The panels have 2 cm deep grooves cut into all four sides to fasten the Termok8 Meccanico system profiles.

MAIN PROPERTIES

- EASE OF INSTALLATION
- COST-EFFECTIVENESS
- SUITABLE FOR DIFFICULT SUBSTRATES

SIZE AND THICKNESS

Useful size: 60 cm x 60 cm

Available thicknesses: 5, 6, 7, 8, 9, 10, 12, 14, 16, 18, 20 cm

TECHNICAL DATA	Symbol	Value	REFERENCE STANDARD
Thermal conductivity	λ_D	0.034 W/mK	EN 12667
Reaction to fire	EUROCLASS	E	EN 13501-1
Resistance to vapour diffusion	μ	30-70	EN 12086
Specific heat	C_p	1340 J/kgK	EN 10456
Compressive stress at 10% deformation	CS(10/Y)	≥ 120 kPa	EN826
Tensile strength perpendicular to the surface	TR	≥ 200 kPa	EN 1607
Dimensional stability	DS(N)	$\pm 0.2\%$	EN 1603
Water absorption due to partial immersion	W _{lp}	≤ 0.5 Kg/m ²	EN 16535
Shear strength	F _{tk}	≥ 20 kPa	EN 12090
Shear modulus	G _m	≥ 1000 kPa	EN 12090

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Dimensional tolerances

Length	L(2)	± 2 mm	EN 822
Width	W(2)	± 2 mm	EN 822
Thickness	T(1)	± 1 mm	EN 823
Squareness	S(2)	± 2 mm/m	EN 824
Flatness	P(3)	+ 3 mm	EN 825

NOTES

- If the slabs are exposed to UV light for a long period of time during installation, they should be protected by shading nets to prevent surface chalking (yellowing).
- If, due to prolonged exposure to UV light, surface powdering has occurred (the slabs appear yellowed), completely remove this powdery substance by sanding and brushing before applying the skim coat, in order to ensure proper and effective adhesion.

CERTIFICATIONS/CLASSIFICATIONS



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