EPS 31 G MAX R

Technical Sheet - Issue 02/2022

Unstressed insulation panel suitable for external thermal insulation systems, made of sintered expanded polystyrene (EPS) with the addition of graphite, with external grooved pattern to improve system impact resistance. TermoK8 A.R. Max 20 J and 60 J.

DESCRIPTION

Unstressed thermal insulation panel made of sintered expanded polystyrene (EPS) with the addition of graphite, 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 feature a special 5 mm deep grooved pattern on an external side, so as to increase the surface area of the panel when skimming and to form continuous horizontal “V” section beams, designed to strengthen the system.

MAIN PROPERTIES

- EASE OF INSTALLATION
- COST-EFFECTIVENESS
- ENHANCED IMPACT RESISTANCE

SIZE AND THICKNESS

Useful size: 100 cm x 50 cm
Available thicknesses: 4, 5, 6, 7, 8, 9, 10, 12, 14, 16, 18, 20 cm

TECHNICAL DATA	Symbol	Value	REFERENCE STANDARD
Thermal conductivity	λ_D	0.031 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
Tensile strength perpendicular to the surface	TR	≥ 120 kPa	EN 1607
Dimensional stability	DS(N)	± 0.2%	EN 1603
Water absorption due to partial immersion	Wlp	≤ 0.5 Kg/m^2	EN 16535
Shear strength	F_{tk}	≥ 20 kPa	EN 12090
Shear modulus	G_m	≥ 1000 kPa	EN 12090

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

STORAGE PROCEDURE

Heat-reflecting material: do not cover the slabs with transparent materials and/or sheets during installation and storage.

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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