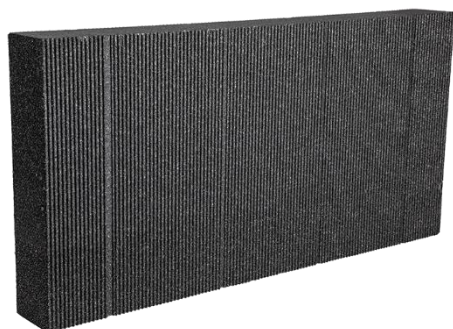


EPS 31 G-100 FIX R

Technical Sheet - Issue 02/2022



Insulation panel suitable for external thermal insulation systems, made of sintered expanded polystyrene (EPS) with the addition of graphite, with external grooved pattern and four deep transversal grooves. Suitable for TERMOK8 MODULAR systems.

DESCRIPTION

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 both sides, 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. The outside application surface of the panels has four deep transversal grooves specially created for bonding the insulating substrate with the reinforced skim coat.

MAIN PROPERTIES

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

SIZE AND THICKNESS

Useful size: 100 cm x 50 cm

Available thicknesses: 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
Compressive stress at 10% deformation	CS(10/Y)	≥ 100 kPa	EN826
Tensile strength perpendicular to the surface	TR	≥ 150 kPa	EN 1607
Dimensional stability	DS(N)	$\pm 0.2\%$	EN 1603
Water absorption due to partial immersion	WIp	≤ 0.5 Kg/m ²	EN 16535
Shear strength	F _{tk}	≥ 20 kPa	EN 12090
Shear modulus	G _m	≥ 1000 kPa	EN 12090

EPS 31 G-100 FIX R

Technical Sheet - Issue 02/2022



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



IVAS Industria Vernici S.p.A. – Via Bellaria, 40 – 47030 San Mauro Pascoli (FC) – Italy
Tel. +39 0541 815811 – Fax +39 0541 815815 – www.gruppoivas.com – ivas@gruppoivas.com

This Technical Information Sheet is compiled to the best of our technical/scientific knowledge; however, it does not imply any liability on our part, as the conditions of use are outside our control. It is recommended that the product is always checked as being suitable for the specific application.