

# STIFERITE CLASS SK

Technical Sheet - Issue 09/2023



**Insulation panel suitable for external thermal insulation systems, made of expanded polyiso foam (PIR) without the use of CFCs or HCFCs. Suitable for the TERMOK8 SLIM system.**

## DESCRIPTION

Thermal insulation panel made of expanded polyiso foam (PIR) without the use of CFCs or HCFCs, ETICS certified in compliance with EAD 040083-00-0404 guidelines (formerly ETAG 004), with "Certificate of Conformity" [UNI EN 13165]. Coated on both sides with a thin film of saturated glass.

## MAIN PROPERTIES

- EASE OF INSTALLATION
- HIGH THERMAL INSULATION
- REDUCED THICKNESS
- GOOD FIRE BEHAVIOUR

## SIZE AND THICKNESS

Useful size: 120 cm x 60 cm

Available thicknesses: 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 16, 18, 20 cm

TECHNICAL DATA	Symbol	Value	REFERENCE STANDARD
Thermal conductivity for thicknesses from 20 to 40 mm for thicknesses from 50 to 90 mm for thicknesses from 100 to 160 mm for thicknesses from 180 to 200 mm	$\lambda_D$	0.027 W/mK 0.026 W/mK 0.025 W/mK 0.024 W/mK	EN 13165 - EN 12667
Reaction to fire	EUROCLASS	E	EN 13501-1
Resistance to vapour diffusion	$\mu$	56±2	EN 12086
Specific heat	$C_p$	1464 J/kgK	EN 10456
Compressive stress at 10% deformation	CS(10/Y)	≥ 150 kPa	EN 826
Tensile strength perpendicular to the surface	TR	≥ 80 kPa	EN 1607
Dimensional stability under specific conditions 48 h, 70° C, 90% R.H.	DS	≤ 0.01 %	EN 1603
Water absorption due to full immersion, long term	WL(T)	≤ 2% for thicknesses < 120mm ≤ 1% for thicknesses ≥ 120 mm	EN 16535
Water absorption due to partial immersion, short term	WS(P)	≤ 0.2 Kg/m <sup>2</sup>	EN 29767
Shear strength	F <sub>tk</sub>	109 kPa	EN 12090
Shear modulus	G <sub>m</sub>	1656 kPa	EN 12090

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## Dimensional tolerances

Length	L(2)	$\pm 5 \text{ mm} < 1000 \text{ mm}$ $\pm 7.5 \text{ mm}$ from 1001 to 2000 mm	EN 13165
Width	W(2)	$\pm 5 \text{ mm} < 1000 \text{ mm}$ $\pm 7.5 \text{ mm}$ from 1001 to 2000 mm	EN 13165
Thickness	T(1)	$\pm 2 \text{ mm} < 50 \text{ mm}$ $\pm 3 \text{ mm}$ from 50 to 75 mm	EN 823
Flatness	P(3)	$\leq 5 \text{ mm/m}$	EN 825

## STORAGE PROCEDURE

Store the packaged product raised off the ground. For long periods of storage, they should be kept indoors and in dry conditions.

## NOTES

Any irregularities must be eliminated by light abrasion; the dust produced by the sanding operation must be removed. Care must be taken to remove only small amounts of the coated surface during abrasion.

## CERTIFICATIONS/CLASSIFICATIONS



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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.