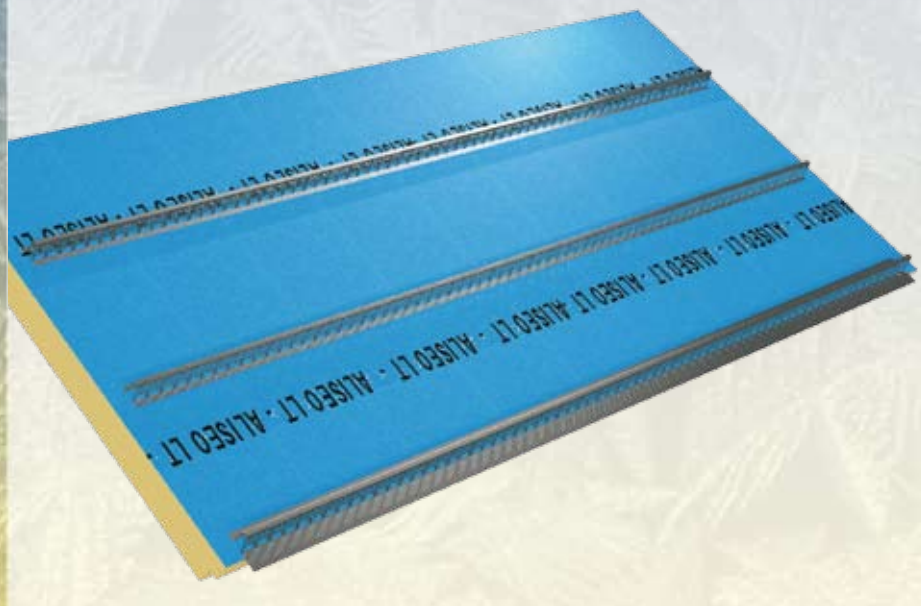
isolparma
RIGID FOAM

Thermal Insulation Boards

ALISEO LT



Thermal insulation board made of rigid Polyisocyanurate (polyiso) foam lined on both sides with laminglass glass/ polyester.

Main applications

ALISEO LT is a thermal insulation board designed for pitched and ventilated roof applications.
The facing material is watertight yet it has excellent permeability to water vapour diffusion, making ALISEO LT ideally suited for ventilated and breathing roof structures.

Specification wording

The thermal insulation shall consist of a layer of ISOLPARMA ALISEO LT rigid PIR (Polyiso) foam boards, lined on both sides with laminglass glass/ polyester foil.
Thermal conductivity λ_D of 0.024 W/mK according to UNI EN 13165
Board size mm ... x ... , Thickness mm…"

Sizes and packaging

The boards are supplied in a standard size of 1200x1020 mm, shrink wrapped in packages with PE foil.

Other board sizes are available on request t (minimum quantities apply).

The number of boards and the square metres in each package vary with board thickness (see table).

Thickness mm	Board size mm	p.cs/package	m²/ package	packages/pallet
50	1200x1020	4	4,90	10
60	1200x1020	3	3,67	10
80	1200x1020	4	4,90	7
100	1200x1020	3	3,67	7
120	1200x1020	2	2,448	9

Main applications

Micro-ventilated pitched roofs

CE marking

Polyisocyanurate Foam Insulation (PIR)

Accessories

Connection profile

Aluminium/butyle rubber

Spare profiles for tiles and shingles

Isoband for ventilated roof pitches

Polypropylene bird-stop profile

Metal bird-stop profile

Tile retainers

Ridge beam raisers

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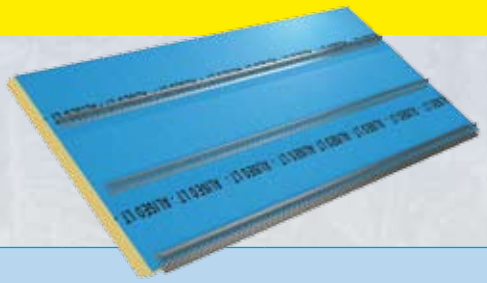

ALISEO LT

TECHNICAL DATA SHEET

UNI EN 13165

Properties	Code	Norm	Description		Value	Unit
Density					30 - 35	kg/m^3
Initial heat conductivity	$\lambda_{90/90,i}$	UNI EN 12667	Value measured at a mean temperature of 10 °C		0,024	W/mK
Declared heat conductivity	λ_D	UNI EN 13165 Annessi A e C	Value measured at a mean temperature of 10 °C		0,028	W/mK
Rated thickness	d_N	UNI EN 823	production standard		from 50 to 100	mm
Declared heat resistance	R_d	UNI EN 12667	related to thickness (d) $R_D=d/\lambda_D$	mm 50	1,79	(m^{2}K)W
				mm 60	2,14	
				mm 70	2,50	
				mm 80	2,86	
				mm 100	3,57	
				mm 120	4,29	
Resistance to compression	CS(10/Y)	UNI EN 826	compression to 10% of thickness	mm 50	140	kPa
				mm 60	150	
				mm 70, 80, 100	140	
Dimensional stability	DS(TH)	UNI EN 1604	test conditions:48 h, 70 °C, 90% UR			%
			linear variation		1	
			variation in thickness	mm 50, 60	6	
				mm 70, 80, 100	4	
			test conditions:48 h, -20°C			
			linear variation		0,5	
			variation on thickness		1	
Fire rating	euroclass	UNI EN 13501-1			F	
Specific heat					0,400	kcal/kg°C
Water absorption	WL(T)	UNI EN 12087	Total immersion for 28 days		< 2	%
Resistance to water vapour diffusion	MU	UNI EN 12086			200 - 250	μ
Tolerances provided fo by European Norm UNI EN 13165						
On thickness	T2	UNI EN 13165	Thickness < 50 mm		± 2	mm
			Thickness > 50 and < 75 mm		± 3	
			Thickness > 75 mm		+ 5, -2	
On dimensions			Dimensions < 1000		± 5	mm
			Dimensions from 1000 to 2000		± 7,5	
			Dimensions from 2000 to 4000		± 10	
			Dimensions > 4000		± 15	

NOTES:
Temperature Stability: Isolparma Rigid Foam Boards are suitable for use within a range of continuous temperatures between -40 °C and + 110 °C.
For very short periods of time they can also withstand temperatures up to + 200 °C, or the temperatures of molten bitumen.
Long exposure to high temperatures may cause deformations of the foam or of the facing materials, but will not cause sublimation or melting.

Technical Data Sheet issued in April 2008

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