



EDIL-THERM L 100

EPS THERMAL INSULATING BOARD

EDIL-THERM L 100 EPS thermal insulating board

PRODUCT	EPS board, class 100.				
PACKAGING AND STORAGE	Board with straight edge 600 x 1200 mm (0,72 m ²). · Thicknesses from 30 to 300 mm. · Packaging: pallets prepared with stretch wrap. · Keep in a cool and dry place, sheltered from frost and water.				
APPLICATION FIELD	· External thermal insulation. · Internal thermal insulation for walls and ceilings. · Thermal insulation of prefabricated building. · Refurbishing and renovation of façades. · Elimination of construction and general thermal bridges. · Protection of the façades from rain.				
SURFACE PREPARATION AND APPLICATION	See the “Edil-Therm Catalogue” or contact the Edilteco Technical Department.				
WARNINGS	· Do not apply under the direct sunlight or with temperatures higher than +35 °C. If the gluing and the smoothing mortar is made under the direct sunlight, the necessary precautions must be taken (e.g. the meshes covering the scaffolding or other). · Do not apply under the rain, at the temperature lower than +5 °C or with the risk of frost. · Apply with relative humidity between 45% and 80%. Do not apply with relative humidity too low. · For the detailed methods of use and application consult the “Edi-Therm Catalogue”, or contact the Edilteco Technical Department.				
TECHNICAL CHARACTERISTICS	DESCRIPTION	CODIFICATION UNI EN 13163	UNIT OF MEASUREMENT	VALUE	NORM
	Length:	L2	mm	± 2	EN 822
	Width:	W2	mm	± 2	EN 822
	Thickness:	T2	mm	± 1	EN 823
	Orthogonally:	S2	mm / mm	± 2/1000	EN 824
	Planarity:	P4	mm	± 5	EN 825
	Dimensional stability:	DS(N)	%	± 0,2	EN 1603
	Stressing to compression:	CS(10)	kPa	≥ 100	EN 826
	Flexural strength:	BS	kPa	≥ 150	EN 12089
	Thermal conductivity declared to 10°C:	λ ₀	W/[mK]	0,035	EN 12667
Limit temperature of use:	-	°C	80	-	



Thermal Insulation & Chemicals Division



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	DESCRIPTION	CODIFICATION UNI EN 13163	UNIT OF MEASU- REMENT	VALUE	NORM
TECHNICAL CHARACTERISTICS	Fire reactivity:	-	Class	E	EN 13501-1
	Factor of resistance to the water vapour diffusion:	MU	μ	30 ÷ 70	EN 12086
	Water absorption by total immersion and for a long period:	WL(T)	%	≤ 2	EN 12087
	Specific thermal capacity:	-	J/(kg.K)	1260	UNI EN 12524

	THICKNESSES	VALUES - $R_D = (m^2K)/W$	NORM
DECLARED THERMAL RESISTANCE	40 mm	1,10	EN 12667
	50 mm	1,50	
	60 mm	1,70	
	70 mm	2,00	
	80 mm	2,25	
	90 mm	2,55	
	100 mm	2,85	
	120 mm	3,40	
	140 mm	4,00	
	150 mm	4,30	
	160 mm	4,55	
	180 mm	5,15	
	200 mm	5,70	

All the indications provided in this technical data sheet are purely approximate and not binding for legal purpose. The data listed has been gathered from laboratory tests and it hence follows that in practical applications on building sites the final characteristics of the products may be subject to substantial variations depending on the meteorological conditions and the installation. The user must always check suitability of the product for its specific use, undertaking all liability implicit in and deriving from use of the product, as well as comply with all methods and instructions for use generally referable to "workmanlike" execution. Edilteco S.p.A. reserves the right to change the contents of this mechanical data sheet on its final judgements. The spreading of this data sheet through any media, supersedes and cancels the validity of any other technical data sheet previously published.



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