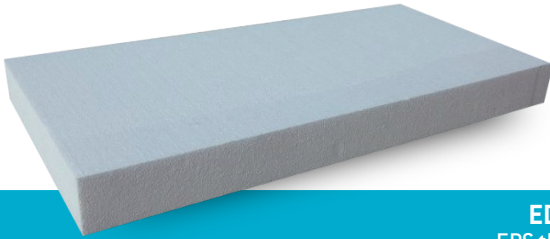


EDIL-THERM® L 100



EPS THERMAL INSULATING BOARD

EDIL-THERM® L 100 EPS thermal insulating board

PRODUCT	EPS board, class 100. Content of recycled material/byproduct (post-consumer) ≥ 10% *				
PACKAGING AND STORAGE	Board with straight edge 500 x 1000 mm (0,50 m²). · Thicknesses: from 30 to 180 mm. · Packaging: pallets prepared with stretch wrap. · Store in a cool and dry place, away from frost and water.				
APPLICATION FIELDS	<ul style="list-style-type: none"> · External wall thermal insulation (EWI). · Internal thermal insulation for walls and ceilings. · Thermal insulation of prefab building. · Refurbishment and renovation of façades. · Elimination of construction and general thermal bridges. 				
APPLICATION	See the "Edil-Therm® Catalogue" or contact the Edilteco Technical Department.				
WARNINGS	<ul style="list-style-type: none"> · 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, take the necessary precautions (e.g. the meshes covering the scaffolding or other). · Do not apply under the rain, at temperatures lower than +5 °C or with 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 "Edil-Therm® Catalogue", or contact the Edilteco Technical Department. 				
TECHNICAL CHARACTERISTICS	DESCRIPTION	CODIFICATION UNI EN 13163	UNIT OF MEASURE	VALUE	STANDARD
	Length:	L2	mm	± 2	EN 822
	Width:	W2	mm	± 2	EN 822
	Thickness:	T2	mm	± 2	EN 823
	Orthogonality:	S2	mm/mm	± 2/1000	EN 824
	Planarity:	P4	mm	± 4	EN 825
	Dimensional stability:	DS(N)	%	± 0,2	EN 1603
	Compressive stress:	CS(10)	kPa	≥ 100	EN 826
	Flexural strength:	BS	kPa	≥ 200	EN 12089
	Declared thermal conductivity +10 °C:	λ_D	W/(mK)	0,038	EN 12667
Limit temperature of use:	-	°C	80	-	

*% by weight of EPS



Thermal Insulation & Chemicals Division



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	DESCRIPTION	CODIFICATION UNI EN 13163	UNIT OF MEASURE	VALUE	STANDARD
TECHNICAL CHARACTERISTICS	Fire reactivity:	-	Class	E	EN 13501-1
	Factor of resistance to water vapour:	MU	μ	30 ÷ 70	EN 12086
	Water absorption by total immersion for a long period:	WL(T)	%	≤ 3	EN 12087
	Specific thermal capacity:	-	J/(kg.K)	1450	UNI EN 12524

	THICKNESS	VALUE - $R_0 = (m^2K)/W$	STANDARD
DECLARED THERMAL CONDUCTIVITY	30 mm	0,85	EN 12667
	40 mm	1,10	
	50 mm	1,40	
	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	
	160 mm	4,55	
	180 mm	5,10	

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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