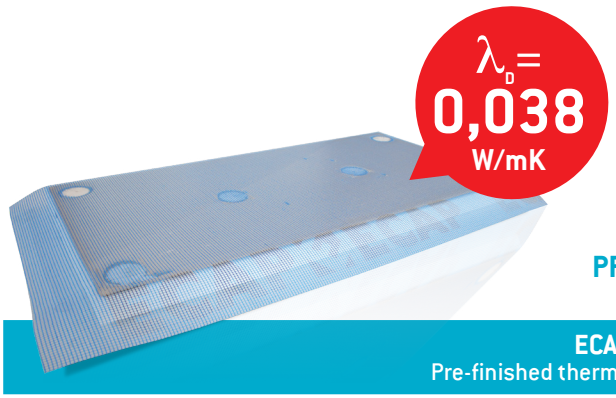

ECAP® L 100

PRE-FINISHED THERMAL INSULATING EPS BOARDS

ECAP® L 100
Pre-finished thermal insulating EPS boards

PRODUCT	Pre-finished EPS board, class 100. **Content of recycled material/byproduct (post-consumer) ≥ 10% ***
PACKAGING AND STORAGE	Board with straight edge 600 x 1200 mm (0,72 m^2). · Thickness: 30 - 40 - 50 - 60 - 70 - 80 - 90 - 100 - 120 - 150 - 180 - 200 mm (+ 3 mm smoothing mortar). · Pallet: box on pallet 120 x 120 x h. 120 cm. · Store in a cool and dry place, away from frost and water.
COMPOSITION	· Thermal insulating EPS board class 100 (several thicknesses). · Cement-based smoothing mortar (approx. thickness 3 mm). · Alkali resistant, dimensionally stable fiberglass mesh 160 gr/m^2 covered by the smoothing mortar and with prearranged overlaps. · Punched holes for the insertion of the dowels.
APPLICATION FIELDS	· External thermal insulation. · Internal thermal insulation of walls and ceilings. · Thermal insulation of prefabricated building. · Refurbishment and renovation of façades. · Elimination of construction and general thermal bridges. · Protection of the façades from rain.
APPLICATION	Consult *"The Application Manual"* or contact the *Edilteco Technical Department.*
WARNINGS	· Do not apply with temperatures higher than +35 °C. In case of pointing and smoothing carried out under the direct sunlight, take the necessary preventative measures (such as scaffold netting). · Do not apply under the rain, at temperatures 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.

TECHNICAL CHARACTERISTICS *(Thermal insulating board in EPS Class 100)*

DESCRIPTION	CODIFICATION UNI EN 13163	UNIT OF MEASURE	VALUE	STANDARD
Length:	L(2)	mm	± 2	EN 822
Width:	W(2)	mm	± 2	EN 822
Thickness:	T(2)	mm	± 2	EN 823
Orthogonally:	S(2)	mm/mm	± 2/1000	EN 824
Planarity:	P(4)	mm	± 4	EN 825
Dimensional stability:	DS(N)2	%	± 0,2	EN 1603
Stressing to compression (to 10% of deformation):	CS(10/Y)	kPa	≥ 100	EN 826
Flexural strength:	BS	kPa	≥ 200	EN 12089
Thermal conductivity declared to +10 °C:	λ_D	W/mK	0,038	EN 12667
Coefficient of linear thermal expansion:	-	K^{-1}	65 x 10^{-6}	-
Limit temperature of use:	-	°C	80	-

* % by weight insulating panel

Thermal Insulation & Chemicals Division

EDILTECO group

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	DESCRIPTION	CODIFICATION UNI EN 13163	UNIT OF MEASURE	VALUE	STANDARD
TECHNICAL CHARACTERISTICS *(Thermal insulating board in EPS Class 100)*	Fire reactivity:	-	-	Class E	EN 13501-1
	Factor of resistance to the water vapour diffusion:	μ	-	30 - 70	EN 12086
	Water absorp. by total immersion and for a long period:	WL(T)2	%	≤ 3	EN 12087
	Water absorp. by partial immersion and for a long period:	Wlp	kg/m^2	≤ 0,5	EN 12087
	Specific thermal capacity:	-	J/(kg.K)	1450	UNI EN 12524

	DESCRIPTION	UNIT OF MEASURE	VALUE
TECHNICAL CHARACTERISTICS *(Cement smoothing mortar)*	Specific weight:	kg/m^3	1400
	Grain size:	mm	0,6
	Permeability to water vapour:	μ	approx. 50
	Thermal conductivity declared to +10 °C:	W/(mK)	0,80
	Value S_d 3 mm thickness:	-	0,15

	DESCRIPTION	UNIT OF MEASURE	VALUE
TECHNICAL CHARACTERISTICS *(Alkali-resistant fiberglass mesh)*	Weight (treated air mass):	gr/m^2	155 ± 5
	Tensile strength:	N/mm	approx. 46 (equal to 2300 N/S cm)
	Tensile strength after 3 days:	-	> 50% of the starting value > 20 N/mm (equal to 1000 N/S cm)

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