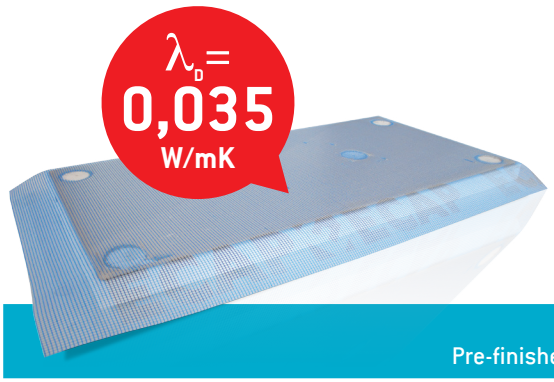

ECAP® L150

PRE-FINISHED THERMAL INSULATING BOARDS

ECAP L150
Pre-finished thermal insulating boards

PRODUCT	Pre-finished EPS board, class 150.
PACKAGING AND STORAGE	Board with straight edge 600 x 1200 mm (0,72 m^2) · Thickness mm: 30 - 40 - 50 - 60 - 70 - 80 - 90 - 100 - 120 - 150 - 180 - 200 (+ 3 mm smoothing mortar). · Pallet: box on pallet 120 x 120 x h. 120 cm. · Keep in a cool and dry place, sheltered from frost and water.
COMPOSITION	· Thermal insulating board in EPS class 150 (various thicknesses). · Cement-based smoothing mortar (approx. thickness 3 mm). · Alkali resistant, dimensionally stable fibreglass mesh 160 gr/m^2 covered by the smoothing mortar and with prearranged overlaps. · Punched holes for the insertion of the anchors.
FIELDS OF APPLICATION	· 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	Consult "*The Application Manual*" (available on request) 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. · For the detailed methods of use and application consult *"The Application Manual"* or contact the Edilteco Technical Department.

TECHNICAL CHARACTERISTICS
Thermal insulating board in EPS class 150

DESCRIPTION	CODIFICATION according to UNI EN 13163	VALUE	NORM
Length:	L(2)	± 2 mm	EN 822
Width:	W(2)	± 2 mm	EN 822
Thickness:	T(1)	± 1 mm	EN 823
Orthogonally:	S(2)	± 2 mm/m	EN 824
Planarity:	P(5)	± 5 mm	EN 825
Dimensional stability:	DS(N)	± 0,5 %	EN 1603
Stressing to compression to 10% of deformation:	CS(10/Y)	≥ 150 kPa	EN 826
Flexural strength:	BS	≥ 200 kPa	EN 12089
Thermal conductivity declared to 10 °C:	λ_D	0,035 W/mK	EN 12667
Coefficient of linear thermal expansion:		65x10^{-6} K^{-1}	-
Limit temperature of use:	-	80 °C	-

Thermal Insulation & Chemicals Division

EDILTECO group

Edilteco S.p.A. Via dell'Industria, 710 . 41038 San Felice sul Panaro (MO) Italy
Ph. +39 0535 82161 . Fax +39 0535 82970 . **www.edilteco.com** I **info@edilteco.com**

	DESCRIPTION	CODIFICATION according to UNI EN 13163	VALUE	NORM
TECHNICAL CHARACTERISTICS *Thermal insulating board in EPS class 150*	Fire reactivity:	-	E class	EN 13501-1
	Factor of resistance to the water vapour diffusion:	μ	30 - 70	EN 12086
	Water absorption by total immersion and for a long period:	WL(T)	$\leq$ 2%	EN 12087
	Permeability to water vapour:	δ	0,010 - 0,024 mg/(Pa·h·m)	EN 12086
	Specific thermal capacity:	C_P	1340 J/kgK	EN 10456
	Elastic compression module:	E	5900 - 7200 kPa	EN 826

	DESCRIPTION	VALUE	NORM
TECHNICAL CHARACTERISTICS *Cement based smoothing mortar*	Specific weight:	1350 kg/m^3	UNI EN 1015-10
	Grain size:	< 0,8 mm	-
	Permeability to water vapour μ:	$\leq$ 20	UNI EN 1015-19
	Thermal conductivity declared to 10 °C:	0,40 W/mK	UNI EN 1745

	DESCRIPTION	VALUE	NORM
TECHNICAL CHARACTERISTICS *Alkali-resistant fibreglass mesh*	Weight (dressed air mass) $\pm$ 5%:	160 g/m^2	UNI EN ISO 12127
	Tensile strength (initial state):	2300 N/5 cm (equivalent to $\geq$ 36 N/mm)	UNI EN ISO 13934-1
	Tensile strength after 28 days ageing in an alkaline environment:	$\geq$ 20 N/mm (> 50% of the initial value, in both directions)	UNI EN ISO 13934-1

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