



ECAP[®] WOOL

ROCKWOOL THERMAL INSULATING BOARDS,
PRE-FINISHED WITH MESH AND SMOOTHING MORTAR

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Rockwool thermal insulating boards, pre-finished with mesh and smoothing mortar

PRODUCT	Rockwool thermal insulating boards, pre-finished. Content of recycled material (post-consumer) ≥ 2.57% *			
PACKAGING AND STORAGE	· Board 600 x 1200 mm (0,72 m²). · Thickness: 80 - 100 - 120 - 140 - 160 - 180 - 200 mm. · Pallet: box on pallet 120 x 120 x h. 125 cm. · Store in a cool and dry place, away from frost and water.			
COMPOSITION	· Rockwool thermal insulating board (several thicknesses). · Cement-based smoothing mortar (approx. thickness 3 mm). · Alkali resistant, dimensionally stable fiberglass mesh 160 gr/m² 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. · Acoustic insulation for the improvement of the soundproofing performances of the wall. · The board meets fire reaction characteristics required by the fire department's guidelines regarding the façade insulation.			
APPLICATION	Consult “The Application Manual” or contact the <i>Edilteco Technical Department</i> .			
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 precautions (such as meshes to cover the scaffolding, etc.). · 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	DESCRIPTION	CODIFICATION UNI EN 13163	VALUE	STANDARD
	Fire reactivity:	Euroclass	A1	UNI EN 13501-1
	Declared thermal conductivity:	λ _D	0,036 W/mK	UNI EN 12667 UNI EN 12939
	Thermal resistance:	R _D	see the table below	UNI EN 13162
	Resistance coefficient to the water vapour diffusion:	μ	1	UNI EN 13162
	Stressing to compression (to 10% of deformation):	σ ₁₀	≥ 20 kPa	UNI EN 826
	Resistance to punctual load:	F _P	NPD	UNI EN 12430
	Tensile strength of the thickness:	σ _{mt}	≥ 10 kPa	UNI EN 1607
	Specific heat:	C _P	1030 J/kgK	UNI EN ISO 10456
	Density:	ρ	100 kg/m³	UNI EN 1602

* % by weight insulating panel



Thermal Insulation & Chemicals Division



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TECHNICAL CHARACTERISTICS	DESCRIPTION	THICKNESS mm						
		80	100	120	140	160	180	200
	Declared thermal resistance (m ² K/W) R ₀ :	2,22	2,78	3,33	3,89	4,44	5	5,56

CEMENTITIOUS SMOOTHING MORTAR

TECHNICAL CHARACTERISTICS	DESCRIPTION	VALUE	STANDARD
	Specific weight:	1350 kg/m ³	UNI EN 1015-10
	Grain size:	< 0,8 - 1,2 mm	-
	Permeability to water vapour μ:	≤ 20	UNI EN 1015-19
	Thermal conductivity at 10 °C:	0,40 W/mK	UNI EN 1745

FIBERGLASS MESH

TECHNICAL CHARACTERISTICS	DESCRIPTION	VALUE	STANDARD
	Weight (dressed air mass) ± 5%:	160 g/m ²	UNI EN ISO 12127
	Tensile strength (initial state):	2300 N/5 cm (equal to ≥ 36 N/mm)	UNI EN ISO 13934-1
	Tensile strength after 28 days in an alkaline environment:	≥ 20 N/mm (> 50% of the initial value, in both directions)	UNI EN ISO 13934-1

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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