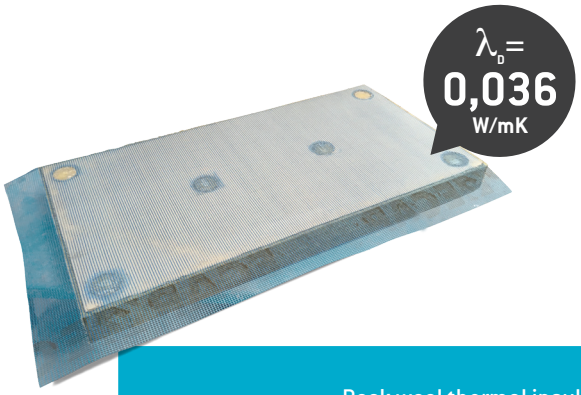

ECAP® WOOL

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

ECAP® WOOL
Rock wool thermal insulating boards, pre-finished with mesh and smoothing mortar

COMPOSITION	· Rock wool thermal insulating board (different thickness). · Cementitious smoothing mortar (approx. 3 mm). · Alkali resistant fiberglass mesh 160 gr/m² embedded in the smoothing mortar with overlapped parts. · Holes for dowels.
PACKAGING AND STORAGE	· Board of 600 x 1200 mm (0,72 m²). · Thickness: 80 - 100 - 120 - 140 - 160 - 180 - 200 mm. · Pallet: box on pallet 1200 x 1200 x h. 1250 mm. · Keep in a cool and dry place, away from frost and water.
APPLICATION FIELDS	· External thermal insulation of walls and ceilings. · Internal thermal insulation of walls and ceilings. · Thermal insulation of prefabricated buildings. · Refurbishing and renovation of façades. · Elimination of construction and thermal bridges. · Protection of the façades from rain. · Acoustic insulation for the improvement of the soundproofing performances of the wall. · The board responds to the fire reaction characteristics required by the fire department's guidelines regarding the façade insulation.
APPLICATION	See *"Ecap® Application Manual"* or contact *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 cautions (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. · For the detailed methods of use and application please consult *"Ecap® Application Manual"* or contact *Edilteco Technical Department.*

TECHNICAL CHARACTERISTICS

DESCRIPTION	CODIFICATION ACCORDING TO 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 resistency:	R_D	*see the table below*	UNI EN 13162
Resistance coefficient to the water vapour diffusion:	μ	1	UNI EN 13162
Compressive strength to 10%:	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

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**

TECHNICAL CHARACTERISTICS	DESCRIPTION	THICKNESS mm						
		80	100	120	140	160	180	200
	Declared thermal resistance (m^2K/W) R_D:	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

Thermal Insulation & Chemicals Division

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**