

TECHNICAL DATA SHEET CANNATECH (INSULATION PANEL OF HEMP)

Applications:

- Insulation of the attics, the slopes of the ceiling, the walls or partitions with air chamber.

Characteristics:

- Excellent thermal insulation. Porous material that occludes the air, leading to a low thermal conductivity
- The product provides the sufficient acoustic insulation, losing energy the sound waves that affect
- Good capacity of hygrometric regulation without loss of the insulating qualities.
- It is a product able to breathe, being avoided the formation of condensations inside the closing.
- One adapts perfectly to the irregularities of the frame to guarantee an isolation of quality.
- Non-irritating. Recyclable. Good mechanical resistance.
- Stable in the time: Since hemp is a natural fiber that does not contain albumen, the risk disappears of being attacked by parasites, as well as of rottenness.

Packaging:

espesor (mm)	paneles y m2/ paquete	m2/ palet	cajas/ palet
40	15 (10,35 m2)	82,80	8
50	12 (8,28 m2)	66,24	8
60	10 (6,90 m2)	55,20	8
80	7 (4,83 m2)	38,64	8
100	6 (4,14 m2)	33,12	8
120	5 (3,45 m2)	27,60	8
140	4 (2,76 m2)	22,08	8
160	3 (2,07 m2)	24,84	12
180	3 (2,07 m2)	16,56	8
200	3 (2,07 m2)	16,56	8

Processing:

- The presentation in panels diminishes the cuts. It cuts with abrasive disc grinder or a knife of very fine teeth.
- Ideally held with staples on a wood frame. Anticipate a system of staples for the metallic structures.
- It is recommended to wear to a mask and glasses of protection for the positioning of the insulating panels.
- For the good operation of this insulator it is precise to respect the norms of work-putting of the walls, that own permeability qualities.

Storage:

In dry place.

Technical qualities:

Composition: 85% hemp fiber, 15% synthetic fiber (thermo-welding)
Density (EN 160): 24-42 (kg./m³)
Thermal conductivity (EN ISO 12667): 0,041(W/m.°C) (\square 90/90)
Water steam permeability (EN 12086): 1 a 2 μ
Hygroscopic capacity: until 15 % of its weight
Acoustic absorption (EN ISO 354): \square 0,70 (H) (d=40 mm); 1 (H) (d=160 mm))
Reaction to the fire (EN 13501): E
Dimensional changes in lengths and widths (EN 822): \leq 1%
Dimensional changes in thickness (EN 823): -5% ; +10%
Specific resistance to the passage of air (EN 29053): 6 KPa·s/ m2 (rs)
Resistance to de growth of moulds and fungi: Level 0
Corrosive capacity: Null completely
Thermal resistance (according to thickness):

thickness (mm)	Thermal resistance (m2·K/ W)
40	0,95
50	1,2
60	1,45
80	1,95
100	2,4
140	3,4
180	4,35

Certifications:

Certification CE.

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