

TECHNICAL DATA SHEET AISLANAT (INSULATING ROLL 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:

- Width (cm): 60
- Length (m): 10
- Thickness (mm): 60, 80 y 100
- Sack of 2 rolls (= 12 m²/ sack)

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 characteristics:

- **Composition:** 85% hemp fiber, 15% synthetic fiber (thermo-welding)
- **Density** (kg/m³): 30
- **Thermal conductivity:** 0,041(W/ m·°C)
- **Water steam permeability:** 1 a 2 μ
- **Hygroscopic capacity:** until 15% of its weight

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