

NITA-WOOL® thermal and acoustic insulation in **needlepunched** (mechanically bonded) felts based on the natural resource of wool generated in the sheep shearing process. Wool felts can have many applications: As thermal and acoustic insulation, they can be used in the interior of wall cladding and false ceilings. In gardening, they can be used to protect green roofs and urban gardens, providing nutrients to plants, maintaining the humidity of the system and reducing the use of substrate. They are very good shelters for plants in case of extreme temperatures.



MAIN CHARACTERISTICS

- Great capacity for thermal and acoustic insulation.
- Composition based on 100% natural sheep's wool.
- Breathable and hygroscopic (up to 33% of its weight).
- Recyclable, from an organic and renewable source.
- Resistant over time.
- Non-abrasive and very easy to install.

DELIVERY FORMAT

- Needle punched felts of 3mm x 1,2m x 25m.
- Shrink-wrapped on pallets of 1.20 x 1.20 x 2.20 metres high and weighing 300 kg. 19 units per pallet.

RMT INSULATION

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TECHNICAL CHARACTERISTICS

Technical characteristics		Punched (450 gr/m2)
Thermal conductivity "λ	W/(m·K)	0,034
Thermal resistance	(m2·K)/W	0,18
Water vapour diffusion resistance coefficient	μ	1
Horizontal water absorption	kg/m2	4,54
Water absorption inclined at 45°.	kg/m2	1,64
Hygroscopicity	% of its weight	up to 33%
Fire reaction	UNE-EN-ISO 11925-2	F

CONTRAINdicATIONS

- The product must not be in direct contact with water.
- Any additional treatment on the fibre not included in this data sheet may alter its properties and performance and automatically invalidates any warranty from the manufacture



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