

NITA-COTTON®

Thermal and acoustic insulation of cotton fibres from recycled and regenerated clothing waste.



MAIN CHARACTERISTICS

- High thermal and acoustic insulation capacity.
- Composition: cotton fibres (>70%), polyester binder and other textile fibres.
- Breathable and hygroscopic.
- Organic, renewable, recycled and recyclable.
- Prevents condensation in insulation chambers.
- Product treated against fungi and fire retardant.
- Free of toxic and/or allergenic agents.
- Durable and resistant over time.
- Non-abrasive and very easy to install.

DELIVERY FORMAT

Delivery Format	Thickness	Density	Dimensions	U. per package	m ² per package	Packages per pallet	m ² per pallet
NP2412060045	45mm	24 kg/m ³	0,6m x 1,2m	14	10,08m ²	8	80,64m ²
NP2412040045	45mm	24 kg/m ³	0,4m x 1,2m	14	6,72m ²	12	80,64m ²
NP2412060100	100mm	24 kg/m ³	0,6m x 1,2m	6	4,32m ²	8	34,56m ²
NP4012060045	45mm	40 kg/m ³	0,6m x 1,2m	9	6,48m ²	12	77,76m ²

Each truck carries 22 pallets of measures: 1.2m x 1.2m x 2.5m Special formats under minimum order of 70 m³
 Special widths: from 40cm to 240cm
 Special thicknesses: from 30 to 150mm
 Special densities: from 22 to 80kg / m³ (maximum weight 4kg / m²)



ENERGY, GREENHOUSE EMISSIONS AND ENVIRONMENTAL TOXICITY

Energy (MJ/kg)	Emissions (kgCO ₂ / kg)	Toxicity (PAF*m ² yr)
9,69	0,7	0,075



RMT INSULATION

DIRECCIÓN: POLÍGONO INDUSTRIAL CAN MAGRE C/ NARCÍS MONTURIOL 20-22
 08187 – SANTA EULALIA DE RONÇANA
 BARCELONA (SPAIN)
 TELÉFONO: +34 93 844 89 78
 E-MAIL: INFO@RMTINSULATION.COM

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TECHNICAL CHARACTERISTIC		Thickness (mm)	Format	
			Pates 24 kg / m ³	Pates 40 kg / m ³
Technical characteristics				
Thermal conductivity "λ"	W / (m·K)	-	0,039 / 0,037	0,039 / 0,035
Thermal resistance	(m ² ·K) / W	45	-	1,15
		45	1,15	-
		100	2,58	-
Water vapour diffusion resistance coefficient	μ	-	1	1
Hygroscopicity	% de su peso	-	up to 24 %	up to 24 %
Fire reaction	UNE-EN-ISO 11925-2	-	F	F

*Lab results: 0,037 - Certified thermal conductivity λ 90/90 = 0,039

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 manufacturer.

PRECAUTIONS FOR USE NITA-COTTON

All elements that emit heat at high temperatures (e.g. chimneys, coils, transformers, motors, luminaires, etc.) must be kept at a distance of 20 cm from the insulation.

Provide perimeter frames on the elements in compliance with the standards in force. These frames can be made of fireproof PYL, with class A fire behaviour, or of insulating bricks 20% higher than the height of the planned insulation.

The hot spots must be protected with specific protection boxes (e.g. cover-lights) and be of sufficient height and diameter to ensure good protection.

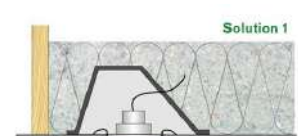
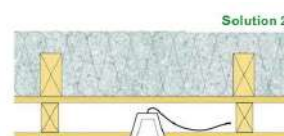
In all scenarios, it is imperative to respect NF DTU 24-1 for the treatment of flues. And DTU 70-1 and 70-2 for the treatment of electronic elements.



Posible instalación en fachada ventilada.



1. Brick wall
2. Vapour barrier
3. COTON-FRP insulation boards
4. Vapour barrier
5. Metal fixings
6. External finish for ventilated façade



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