NITA-COTTON® THERMAL AND ACOUSTIC INSULATION

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	m2 per package	Packages per pallet	m2 per pallet
P-C56012040 / Plate	50mm	40 kg/m3	0,6m x 1,2m	10	7,2m2	12	86,2m2
M-C5607522 / Plate	50mm	24kg/m3	0,6m x 1,2m	10	7,2m2	12	86,4m2
P-C10601222 / Plate	100mm	24 kg/m3	0,6m x 1,2m	5	3,6m2	12	43,2m2

Each truck carries 20 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 (kgCO2 / kg)	Toxicity (PAF*m2yr)
9,69	0,7	0,075

RMT INSULATION
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NITA-COTTON® THERMAL AND ACOUSTIC INSULATION

TECHNICAL CHARACTERISTICS		Thickness (mm)	Format	
Technical characteristics			**Plates 24 kg / m3**	**Plates 40 kg / m3**
Thermal conductivity "λ"	W / (m·K)	-	0,037 *	0,034
Thermal resistance	(m2·K) / W	40	-	1,47
		50	1,39	-
		100	2,78	-
Water vapour diffusion resistance coefficient	μ	-	1	1
Hygroscopicity	% of its weight	-	up to 24%	up to 24%
Fire reaction	UNE-EN-ISO 11925-2	-	E	E

*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.

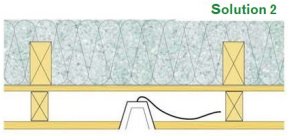
Provide perimeter frames on the elements in compliance with the standards in force. These frames can be made of fireproof PYL, with class A fire behaviour, or of insulating bricks 20% higher than the height of the planned insulation.

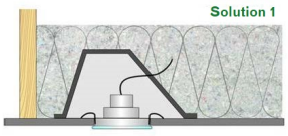
The hot spots must be protected with specific protection boxes (e.g. cover-lights) and be of sufficient height and diameter to ensure good protection.

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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