

## NITA-COTTON®

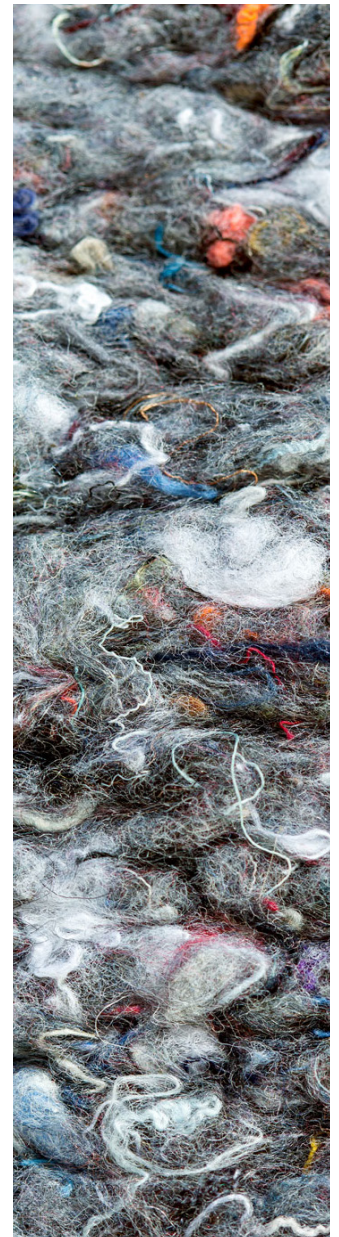
Thermal and acoustic insulation made in bulk of fibres of cotton from recycled and regenerated of cuts of preparation.

## GENERAL CHARACTERISTICS

- Huge capacity as a thermal and acoustic insulation.
- Composition: fibres of cotton (>70%) and other textile fibres.
- Transpirable and hygroscopic.
- Organic, renewable, recycled and recyclable.
- Product treated against fungus and with fire retardant.
- Free of toxic agents and/or allergens.
- Resistant over the time.
- No abrasive and of easy installation.

## SUPPLY FORMAT

35 bags of 10 kg grouped & shrink-wrapped in palets of 1,00 x 1,20 x 2,20 metres & 350 kg weight.



## ENERGY, EMISSIONS OF GREENHOUSE EFFECT AND AMBIENT TOXICITY

Energy (MJ/kg)	Emissions (kgCO2 / kg)	Toxicity (PAF*m2yr)
7,46	0,46	0,068

## CERTIFICATES



## RMT INSULATION

ADRESS: POLÍGON INDUSTRIAL CAN MAGRE  
C/ NARCÍS MONTURIOL 20-22  
08187 – SANTA EULALIA DE RONÇANA  
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## TECHNICAL DATA

Technical data		Thickness (mm)	Density	
			13,8 kg / m <sup>3</sup>	20 kg / m <sup>3</sup>
Thermal conductivity "λ"	W / (m·K)	-	0,045	0,042
Thermal resistance	(m <sup>2</sup> ·K) / W	100	2,22	2,38
		150	3,33	3,57
		200	4,44	4,76
		250	5,56	5,95
		300	6,67	7,14
		350	7,77	8,33
Resistance coefficient to water vapour	μ	-	1	
Water absorption	EN 1609 (kg / m <sup>2</sup> )	-	-	
Hygroscopic capacity	% weight	-	up to 24 %	
Fire resistance	UNE-EN-ISO 11925-2	-	B-s2, d0	
Resistance at fungus	EOTA Annex C	-	0	

## WARNINGS

- The product can lose its treatment if in contact with water
- Any further treatment over the fiber not included on this technical datasheet can modify its properties and performance and automatically eliminates any warranties from the manufacturer.
- Do not install close to a heat focus.
- Avoid direct contact with electric equipment.

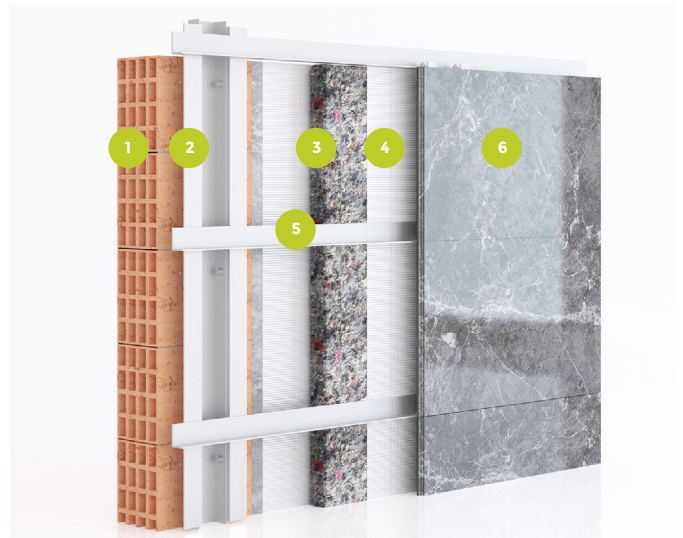
## PRECAUTIONS USING NITA-COTTON

Any element that emits heat at high temperatures (eg chimneys, coils, transformers, motors, luminaires, etc.) must be kept at a distance of 20 cm from the insulation.

Provide perimeter frames in the elements respecting the rules in force. These formwork can be made with fire-retardant "PYL", with class A fire behavior, or with insulating bricks 20% higher than the intended insulation.

Heat points must be protected with specific protection boxes (e.g. cover-lights) and be of a sufficient height and diameter to ensure good protection.

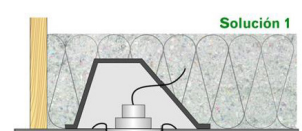
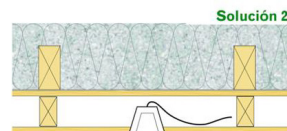
In all scenarios, it is imperative to respect the NF DTU 24-1 regulations for the treatment of smoke ducts. And DTU 70-1 and 70-2 for the treatment of electric elements.



Possible installation in ventilated façade.



1. Brick wall
2. Vapor barrier
3. COTON-FRP panels
4. Vapor barrier
5. Metal fixings
6. Exterior finish for ventilated facade



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