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# Lambourdé

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## Natural materials for technical solutions

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### Description

LAMBOURDÉ is quick application system designed for low thickness insulation solutions and buildings renovations. For mechanical fixation to the floor or wall, ensuring excellent thermal and acoustic insulation under wood or plasterboard finishing.

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### Advantages

- 100% natural and fully recyclable
- Excellent thermal and acoustic insulation
- Easy to apply
- Mechanical stability
- Great behavior in large temp. range (-180°C to +120°C)
- CO<sub>2</sub> sink (Carbon Negative)

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### Product lines

- Board dimension: 1000x500 mm
- Thickness: 40 to 100 mm

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### Product specifications

- Density: +/- 110 kg/m<sup>3</sup>
- Thermal Conductivity: 0,041 W/m.K
- Fire Reaction: Euroclass E



# Thermal and Acoustic Characterization

Test	Standard	Result
Thermal Resistance R [M <sup>2</sup> .°C/w]	ISO 6946:2007 /	Lambourdé 40: 0,97
	ISO 10211:2007	Lambourdé 60: 1,50
Airborne noise transmission Rw [dB]		Single wall + plasterboard + Lambourdé 40: 49 dB
		Single wall + plasterboard + Lambourdé 60: 54 dB
		Double wall + plasterboard + Lambourdé 40: 59 dB
		Double wall + plasterboard + Lambourdé 60: 59 dB

## Application systems: Wall



## Application systems: Floor



### Amorim Cork Solutions

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