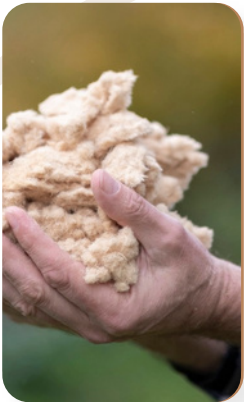


Lenoo wood fibre insulation

Strong thermal and acoustic performance

Lenoo, the Belgian bio-sourced ecological insulation material, is made from high-density wood fibre. This gives it superior thermal and acoustic performance for optimal comfort all year round.

Choose Lenoo for a healthy, pleasant, sustainable and energy-efficient home.



MADE IN BELGIUM



Advantages

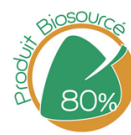
- ↑ Winter: reduced energy consumption due to Lenoo's low thermal conductivity and an installation method that avoids thermal bridges.
- ↑ Summer: optimal thermal phase shift. Combined with efficient ventilation, this significantly reduces the need for air conditioning.
- ↑ Thanks to the use of recycled bio-based materials and the energy efficiency of our production process, the Lenoo insulation is carbon neutral (-0.338 kg CO₂e/kg).
- ↑ High-level sound insulation performance for a quieter indoor environment.
- ↑ Water vapour permeability, promoting a healthy indoor environment.
- ↑ Exceptional stability and durability, ensuring that insulating efficiency is maintained throughout the life of the building.

Applications

- ↑ Pneumatic blowing into roof panels, walls and floors.
- ↑ Application by manual blowing or spreading in attic floors.



Certification





■ Technical specifications

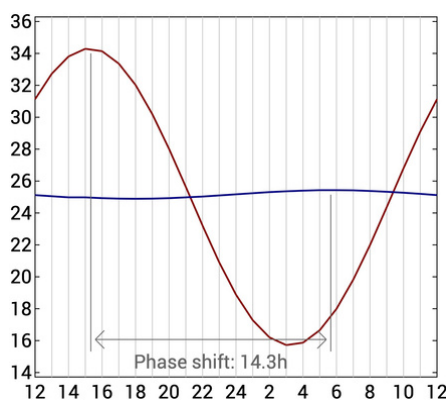
Application density	100 to 120 kg/m³ pneumatic blowing	60 kg/m³ open-space blowing
Thermal conductivity λ	[W/(m*K)] 0,043 (60 kg/m³) / 0,046 (100-120 kg/m³)	
Specific heat capacity c	c [J/(kg*K)] 2100	
Water diffusion resistance factor	$\mu = 2,2$	
Fire reaction class	E (EN 13501-1)	
Components	wood fibre from recycled MDF panels	
Brevet	n° 1031715	
Certification	Bio-sourced (80%) N°BE/24/10/21/80-BE	
Packs	15 kg, compacted to 180 kg/m³ (pallets of 24 packs)	

■ Recommendations

- ⚙️ Lenoo must be stored in a dry place.
- ⚙️ Please comply with the applicable rules on dust treatment.

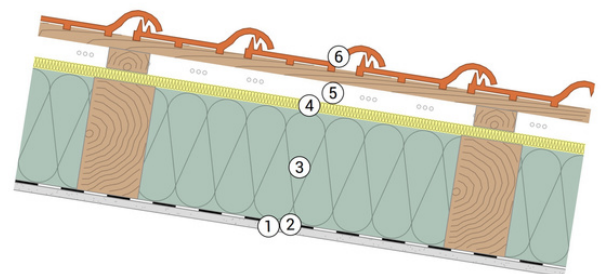
■ Responding to more frequent heat waves

↑ It has become essential to make our living spaces as comfortable as possible during hot summers. Made from high-density wood fibre, Lenoo insulation sets a new benchmark in thermal insulation, particularly in critical areas such as attics. Lenoo has excellent thermal resistance (R) – the criterion by which insulation is traditionally rated. But it is also the market leader due to its superior ability to attenuate thermal amplitude and lengthen phase shifts, keeping homes cool and pleasant even in the middle of summer.



■ Indoor temperature with Lenoo insulation
■ Outdoor temperature

Graph created with Ubakus: Lenoo insulation regulates temperature peaks for constant comfort day and night.



- 1) Fermacell gypsum fiberboard (15mm)
- 2) Ampatex Variano 3 Extra vapor barrier
- 3) Lenoo insulation (230mm) at 100kg/m³
- 4) Celit 4D sarking board (22mm)
- 5) Ventilated air gap (40mm)
- 6) Terracotta roof tiles (103mm)

Detailed view of the roof composition to which the graph relates, with a 23 cm thick layer of Lenoo insulation.

Would you like more information?

Contact us

Despite the care taken over the content of this document, Take Out SRL declines all responsibility for damage arising from any errors.

lenoo



Les Moussières 80
B-6840 Neufchâteau

lenoo@lenoo.be
www.lenoo.be

© 2025 Take Out srl
v. 07/2025