

R-PANO

BIO-BASED RECYCLED TEXTILE INSULATION

WALLS, PARTITIONS,
CEILINGS, ATTICS

semi-rigid panels

R-PANO is a thermal and acoustic insulation material made from recycled textile cotton wool. A healthy, eco-friendly alternative to conventional wools.

With a thermal conductivity (λ) between **0.036 W/(m.K)** and **0.037 W/(m.K)**, good thermal phase shift, excellent sound insulation, and good moisture vapor management, **R-PANO** is suitable for both interior and exterior partitions.

Its semi-rigid structure ensures long-term stability, easy job-site installation between stud frameworks, and simplified routing of technical services.

Soft, low-dust, and non-irritating, **R-PANO** provides excellent installation comfort.

Density 40 kg/m³: 100 mm thickness

Density 50 kg/m³: 45 and 70 mm thicknesses



ATEX and Acermi certifications pending



1 R-PANO 100mm = 7 RECYCLED GARMENTS



INTERIOR INSULATION FOR NEW BUILDINGS AND RENOVATION



Individual & collective housing



Public accessible buildings (erp)



Offices, industrial & commercial buildings

+ OCCUPANTS



WINTER COMFORT
conductivity 0.048 W/(m.K)



SUMMER COOLNESS
6 to 8-hour phase shift



SOUND INSULATION
excellent



HUMIDITY REGULATOR
for a home that breathes



DURABLE UP TO 50 YEARS
no sagging



ELIGIBLE FOR RENOVATION
grants

+ APPLICATION



LOW DUST
non-irritating and soft



EASY TO CUT
easy handling



COMPATIBLE WITH
standard metal and timber studs



LOW CARBON
lowest impact on the market



Région
Hauts-de-France

Sourcing, design, and manufacturing
in Hauts-de-France

TECHNICAL SPECIFICATIONS

	R-PANO 40 100 mm thickness	R-PANO 50 45 mm thickness	R-PANO 50 70 mm thickness
Thermal conductivity	0.037 W/(m.K)	0,036 W/(m.K)	0,036 W/(m.K)
Thermal resistance R	2.7 m².K/W	1,3 m².K/W	1,9 m².K/W
Reaction to fire	Euroclass F	Euroclasse F	Euroclasse F
Fungal resistance	HR85 resistance	HR85 resistance	HR85 resistance
VOC emissions	Class A+	Classe A+	Classe A+
Thermal phase shift	2h30	1h30	2h20
Moisture behavior	Hygroscopic fiber	Hygroscopic fiber	Hygroscopic fiber
Density	40 kg/m³	50 kg/m³	50 kg/m³
Mechanical characteristics	Semi-rigid	Semi-rigid	Semi-rigid
Acoustic absorption	80% noise reduction	65% noise reduction	80% noise reduction
Acoustic attenuation	44 dB	38 db	41 db

*Performance data provided for information purposes only, pending certification.

**The installation of an interior vapor barrier is recommended in accordance with standard trade practices (DTU 31.2, 45.10), particularly in cold or humid climates, to prevent condensation risks within the insulation. The use of a smart/hygrovariable vapor retarder is advised for optimal moisture management.

PACKAGING AND STORAGE

packaging and storage for 100 mm thick r-pano

Panel size	60 x 120 cm
Number of panels per pack	6
Pack height	60 cm
Number of packs per pallet	8 panels stacked in 4 layers
Pallet height	240 cm
Pallet dimensions	120 x 120 cm
Number of panels per pallet	48
Insulated area per pallet	34,5 m²



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