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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 (lambda) 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.



ÉMISSIONS DANS L'AIR INTÉRIEUR A+ A+ A B C

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

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TECHNICAL SPECIFICATIONS

	R-PANO 30	R-PANO 50
Density	30 kg/m³	50 kg/m³
Thermal conductivity	0.037 W/(m.K)	0,036 W/(m.K)
Reaction to fire	Euroclass E	Euroclass E
Fungal resistance	HR95 resistance	HR95 resistance
VOC emission	Class A+	Class A+
Moisture behavior	Hygroscopic fiber	Hygroscopic fiber
Mechanical property	Semi-rigid from 45 mm	Semi-rigid from 45 mm
Specific heat capacity	1 400 J/(kg.K)	1 400 J/(kg.K)
Acoustic attenuation	>90% depending on thickness	>80% depending on thickness

*Performance values are provided for information purposes only and are currently undergoing certification.
**The installation of an interior vapor barrier is recommended in accordance with standard practice (DTU 31.2, 45.10), particularly in cold or humid climates, to prevent condensation risks within the insulation. The use of a smart/variable vapor retarder is recommended for optimal moisture management.

PRODUCT RANGE AND PACKAGING

Thickness	R-PANO 30 R (m².K/W)	R-PANO 50 R (m².K/W)	Panels / pack	Panels / pallet	Area / pallet (m²)
45 mm	1,22	1,25	13	104	74,88
60 mm	1,62	1,67	10	80	57,60
70 mm	1,89	1,94	9	72	51,84
80 mm	2,16	2,22	7	56	40,32
100 mm	2,70	2,78	6	48	34,56
120 mm	3,24	3,33	5	40	28,80
140 mm	3,78	3,89	4	32	23,04
145 mm	3,92	4,03	4	32	23,04
160 mm	4,32	4,44	3	24	17,28
180 mm	4,85	5	3	24	17,28
200 mm	5,41	5,56	3	24	17,28
240 mm	6,49	6,67	2	16	11,42

*Each pallet contains 8 packs, distributed over 4 tiers.
**Insulated area: from 11.42 to 74.88 m² depending on thickness.

Scan & download !