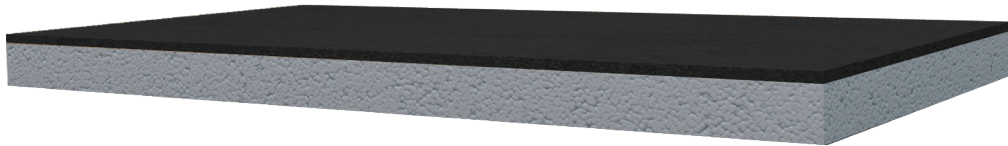


FRANSYL

R-ZOL

EXPANDED POLYSTYRENE INSULATION BOARD FOR WALL



R-ZOL

EXPANDED POLYSTYRENE INSULATION BOARD, FACTORY LAMINATED TO A COATED FIBERBOARD PANEL FOR WALL

ADVANTAGES

- 🏠 Combined materials thermal value of R-4
- 🏠 The thermal value of the expanded polystyrene is 100% guaranteed
- 🏠 Low water absorption
- 🏠 Dimensionally stable
- 🏠 Low flame spread
- 🏠 100% recyclable
- 🏠 Fiberboard made of 100% recycled material
- 🏠 Expanded polystyrene composed of 98% air and 2% polystyrene
- 🏠 No thermal resistance loss due to static deformation
- 🏠 Environmentally friendly
- 🏠 Thanks to a precise factory squaring, sides of the panel are uniform
- 🏠 Meets Novoclimat requirements

ACKNOWLEDGMENT

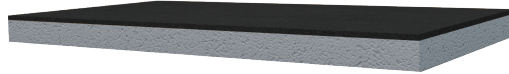


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SPECIFICATIONS

DIMENSIONS

R-ZOL



Width x length*: 48" x 96" (1219 mm x 2438 mm)
48" x 108" (1219 mm x 2743.2 mm)

Polystyrene thickness: 11/16"

Fiberboard thickness: 7/16"

Total thickness: 1 1/8"

*Other dimensions available on request

R-ZOL	
	THR (Type II)
Thermal resistance (ASTM C518 C177) 1" (25 mm) thickness	R-4 (RSI-0.7)
Water vapour permeability (ASTM E96), 1" (25 mm) thickness	3.5 perm (200 ng/Pa·s·m ²)
Compressive strength (ASTM D1621) 1 1/2" (38 mm) thickness	120 kPa (17.46 lbs/in ²)
Flexural strength (ASTM C 203) 1 1/2" (38 mm) thickness	240 kPa (34.97 lbs/in ²)
Water absorption (ASTM D 2842) 1 1/2" (38 mm) thickness	4%
Density (ASTM D 1621)	1.25 lb/ft ³ (20.01 kg/m ³)
Limiting Oxygen Index (ULC S-701) % minimum	24%
Dimensional stability (ASTM D 2126) % maximum linear change	1.5%

COATED FIBERBOARD PANEL	
Thermal transmission (ASTM C518 C177), for 1/2" (12,5 mm) thickness	R-1.64 (RSI-0.29)
Linear dilatation (ASTM C-209)	0.25%
Compressive strength (ASTM C-165) 10% consolidation	24.5 lbs/in ²
Tensile strength	
Machine direction (ASTM C-209)	269 lbs/in ² (1880 kPa)
Cross direction (ASTM C-209)	7.08 lbs/in ² (48.81 kPa)
Water absorption (ASTM C-209)	3.5%
Density (specific mass) (ASTM D-1037)	15.4 lbs/in ³ (246.68 kg/m ³)