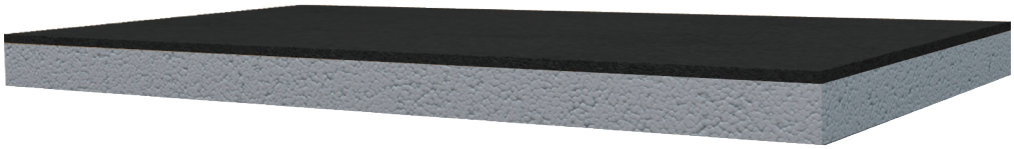
FRANSYL

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

LEED

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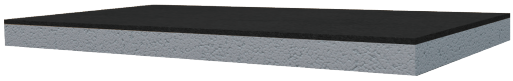
SPECIFICATIONS

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 permability (ASTM E96), 1" (25 mm) thickness	3.5 perm (200 ng/Pa·s·m²)
Compressive strength (ASTM D1621) 1 ½" (38 mm) thickness	120 kPa (17.46 lbs/in²)
Flexural strength (ASTM C 203) 1 ½" (38 mm) thickness	240 kPa (34.97 lbs/in²)
Water absorption (ASTM D 2842) 1 ½" (38 mm) thickness	4%
Density (ASTM D 1621)	1.25 lb/ft³ (20.01 kg/m³)
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/in²
Tensile strength	
Machine direction (ASTM C-209)	269 lbs/in² (1880 kPa)
Cross direction (ASTM C-209)	7.08 lbs/in² (48.81 kPa)
Water absorption (ASTM C-209)	3.5%
Density (specific mass) (ASTM D-1037)	15.4 lbs/in³ (246.68 kg/m³)