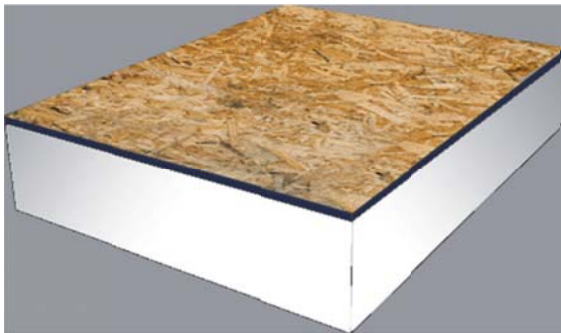


Product Information Bulletin

Insulspan® Nailbase Panels - Thermal Resistance Values

Insulspan® Nailbase panels offer an easy to use one step method of adding insulation complete with a nailable exterior surface. Insulspan Nailbase panels consist of 7/16" oriented strand board (OSB) laminated to the surface of expanded polystyrene (EPS) rigid insulation.

One typical application for Insulspan Nailbase panels is over structural roof decks providing an insulated roof system with a nailable OSB surface. Insulspan Nailbase panels can be used for both residential and commercial building applications.



Insulspan Nailbase Panel Benefits:

- Continuous insulation over a structural support system reduces energy loss by eliminating thermal breaks.
- Nailable surface for attachment of exterior cladding.
- Available in a variety of insulation thicknesses and panel sizes.

The table below provides thermal resistance values for standard panel thicknesses.

Table 1 - Insulspan Nailbase Panel Thermal Resistance

Nailbase Total Thickness		Thickness EPS Core & OSB		Thermal ¹ Resistance		Thermal Transmittance		SIP Weight	
Inches	mm	Inches	mm	$\frac{\text{ft}^2 \cdot \text{h} \cdot \text{°F}}{\text{BTU}}$	$\frac{\text{m}^2 \cdot \text{°C}}{\text{W}}$	$\frac{\text{BTU}}{\text{ft}^2 \cdot \text{h} \cdot \text{°F}}$	$\frac{\text{W}}{\text{m}^2 \cdot \text{°C}}$	lb/ft ²	kg/m ²
4 1/8	103	3 5/8 7/16	92 11	14.4	2.53	0.070	0.395	1.8	8.6
6 1/8	154	5 5/8 7/16	143 11	22.0	3.87	0.045	0.258	1.9	9.4
7 7/8	198	7 3/8 7/16	187 11	28.6	5.04	0.035	0.198	2.1	10.1
9 7/8	249	9 3/8 7/16	238 11	36.2	6.38	0.028	0.157	2.2	10.9
11 7/8	300	11 3/8 7/16	289 11	43.8	7.72	0.023	0.130	2.4	11.7

¹ Thermal resistance values at mean temperature of 75 °F (24 °C) for Insulspan Nailbase panel only.