

# Split-Skin Panel

## Description

Split-Skin Panels are insulated panels used on roofs where a drywall interior finish is desired and the panels are also being cantilevered off of the roof structure to create an overhang. Split-skin panels are used in conjunction with curtain wall panels to create a complete roof system. Split-skin panels provide the exterior sheathing, insulation, and interior base finish in one unit.

## Components

Foard Panels are manufactured with third party rated material and stringent quality control guidelines.

**Core Material:** The insulating core material can either be Extruded or Expanded Polystyrene. Both are superior insulating materials with unique advantages for various situations.

**Interior and Exterior Skins:** The skins are 7/16" thick, PS1-95, PS2-92, Exposure 1 Oriented Strand Board (OSB). Only OSB meets the dimensional stability, lamination quality, and size availability requirements.

**Interior Finish:** 1/2" thick plaster-base gypsum drywall, commonly called "blue board". This drywall can be painted with conventional or moisture resistant paint or plastered.

## Features

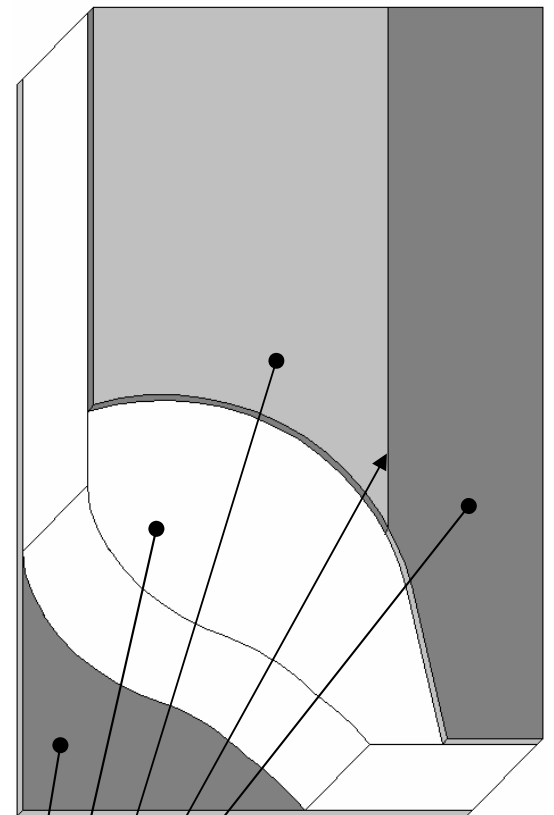
- Reduces Heating and Cooling Costs
- Superior Strength
- Fast & Efficient Installation
- Reduced Labor Costs

## Availability

- 4ft wide, lengths up to 24ft
- Custom Pre-Cut Options
- Milled Electrical Chases Available

## Quality Control

Independent third party quality control and plant inspection programs are administered by RADCO.



- Interior Skin  
Oriented Strand Board (OSB)
- Split Line  
Hidden Above Timber or Wall
- Interior Finish  
Drywall (DW)
- Core  
Extruded Polystyrene (XPS)  
or  
Expanded Polystyrene (EPS)
- Exterior Skin  
Oriented Strand Board (OSB)

## 20 Year Limited Warranty

Foard Panel Inc. warrants to the buyer that Foard Panels will not delaminate in normal use as the result of a defect in materials or manufacturing for 20 years from the date of purchase. See full warranty for details.



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Dimensions & Weights				
Overall Thickness (in)	4.5	6.5	8.25	10.25*
Core Thickness (in)	3.63	5.63	7.38**	9.38*
Weight EPS / XPS (lb/ft <sup>2</sup> )	4.3 / 4.5	4.5 / 4.7	4.6 / 4.7	4.9*
Width (ft)	4			
Available Lengths (ft)	6, 7, 8, 9, 10, 12, 14, 16			

Structural and Load Data
See Structural and Load Data Sheet

\* Available in EPS only, \*\* XPS is 7.25

Core Properties	Units	ASTM #	EPS	XPS
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## General

Density	lb/ft <sup>3</sup>	D1622	1.0	1.5
Thermal Resistance (per inch of core thickness at 75 deg F)	$R - \text{Value/in} = \frac{\text{hr} \cdot ^\circ\text{F} \cdot \text{ft}^2}{\text{BTU} \cdot \text{in}}$	C518	3.85	5.0
Thermal Resistance (per inch of core thickness at 40 deg F)	$R - \text{Value/in} = \frac{\text{hr} \cdot ^\circ\text{F} \cdot \text{ft}^2}{\text{BTU} \cdot \text{in}}$	C518	4.2	5.4
Thermal Conductivity (per inch of core thickness at 75 deg F)	$k = \frac{\text{BTU} \cdot \text{in}}{\text{hr} \cdot ^\circ\text{F} \cdot \text{ft}^2}$	C518	0.26	.20
Thermal Conductivity (per inch of core thickness at 40 deg F)	$k = \frac{\text{BTU} \cdot \text{in}}{\text{hr} \cdot ^\circ\text{F} \cdot \text{ft}^2}$	C518	0.24	.19
Dimensional Stability	% Change	D2125 Proc. C & E	2.0 max	2.0 max

## Strength Properties

Compressive 10% Deformation	lb/in <sup>2</sup>	D1621	10-14	20
Shear	lb/in <sup>2</sup>	D273	18-22	25

## Moisture Resistance

Water Vapor Transfer	Perm. in	E96 Proc. A	1.2-3.0	<1.5
Absorption (vol.)	%	C272	<4.0	<0.5
Capillarity			none	none

## Maximum Service Temperature

Long Term	°F		167	165
Intermittent	°F		180	165

## Fire Characteristics

Rating			Class I	Class I
Smoke Developed		E84	125	165
Flame Spread		E84	15	5
Toxicity of Combustion Products	Same as wood or cardboard			