



THE MURUS OSB-2100/EPS STRUCTURAL INSULATING PANEL
(OSB/EPS Foam Core/OSB)

Dimensions and Weights:

Series:	<u>2145EPS</u>	<u>2165EPS</u>	<u>2185EPS</u>	<u>21105EPS</u>	<u>21125EPS</u>	<u>21150EPS</u>
Overall Thickness:	4-5/8"	6-1/2"	8-1/4"	10-1/4"	12-1/4"	15"
Thickness Tolerance:	+/- 1/8"	*	*	*	*	*
Width:	48" or 96"	*	*	*	*	48"
Width Tolerance:	+/-1/8"	*	*	*	*	*
Standard Lengths (Feet):		*	*	*	*	*
(48" widths x):	8, 9, 10, 12, 14, 16, 18, 20, 22, 24'	*	*	*	*	*
(96" widths x):	Up to 24'	*	*	*	*	*
Length Tolerance:	+/- 1/4"	*	*	*	*	*
Weight:	3.50 lb/sf	3.70 lb/sf	3.80 lb/sf	4.00 lb/sf	4.20lb/sf	4.40lb/sf

Insulating Core:

	Type I Expanded Polystyrene Foam					
Type:	Type I Expanded Polystyrene Foam					
Thickness:	3-3/4"	5-5/8"	7-3/8"	9-3/8"	11-3/8"	14-1/8"
Density (nominal):	1 lb/cu. ft.	*	*	*	*	*
R-value:	3.84 per inch	*	*	*	*	*
System R-value @ 75F:	15	23	29	37	45	55
System R-value @ 40F:	16	25	32	40	49	60

Insulating Core Properties

Design Values

K Factor:	.26	ASTM C-518
Compressive Strength:	10 psi	ASTM D-1621
Flexural Strength:	25 psi minimum	ASTM C-203
Tensile Strength:	28 psi minimum	ASTM C-297
Shear Strength:	16 psi minimum	ASTM C-273
Shear Modulus:	440 psi minimum	ASTM C-273
Modulus of Elasticity:	915 psi minimum	ASTM C-203
WVT/Perm Inch:	5.0 maximum	ASTM E-96
Water Absorption (by volume):	4% maximum	ASTM C-272
Maximum Service Temperature:	165° F (long term)	
Foam Fire Rating:	Class 1	**ASTM E-84
Flame Spread:	<25	**ASTM E-84
Smoke Developed:	<450	**ASTM E-84

*Specifications or value is the same as the OSB-2145EPS Panel.

**ASTM E-84 is not necessarily a representation of performance in an actual fire. Class 1 is the highest rating available for combustible materials.

Outside Skins

Type:	APA or equivalent listed oriented strand board (OSB) meeting PS 2-10 requirements
Grade:	Exposure-1
Thickness:	7/16"

Note: Specifications are subject to change without notice.