THE MURUS OSB-2100/PUR STRUCTURAL INSULATING PANEL

(OSB/PUR Foam core/OSB)

Dimensions and Weights (Series):	2145PUR	2155PUR	2165PUR
Overall Thickness:	4-5/8”	5-5/8”	6-5/8”
Thickness Tolerance:	+/- 1/8”	*	*
Width:	48”	*	*
Width Tolerance (Finish Size):	+0”, -1/8”	*	*
Standard Lengths (Feet):	4, 6, 8, 9, 10, 12, 14, 16, 18, 20, 22, 24’	*	*
Length Tolerance:	+/- 1/4”	*	*
Weight:	3.95 lb/sq. ft.	4.15 lb/sq. ft.	4.35 lb/sq. ft.

Insulating Core:			
Type:	Polyurethane Closed Cell Foam		
Liquid Blowing Agent:	Honeywell HFO		
Thickness:	3-11/16”	4-11/16”	5-11/16”
Density:	2.2 lb/cu. Ft. Nominal	*	*
R-value:	6.9 per inch thickness	*	*
System R-value @ 75F:	27	34	41
System R-value @ 40F:	29	37	44

Insulating Core Properties:	[3]Design Values	
K Factor @ 75F:	.144	ASTM C-518
Compressive Strength:	20 psi	ASTM D-1621
Compressive [1]MOE:	578 psi	ASTM D-1621
Shear Strength:	25 psi	ASTM C-273
Shear Modulus:	162 psi	ASTM C-273
Flexure [2]MOR:	39 psi	ASTM C-203
Flexure Modulus:	816 psi	ASTM C-203
Tensile Strength:	35 psi	ASTM D-1623
Tensile Modulus:	622 psi	ASTM D-1623
WVT/Perm Inch:	1.83	ASTM E-96
Foam Fire Rating:	Class 1	**UL-723
Flame Spread:	20	**UL-723
Smoke Developed:	250	**UL-723

[1]MOE: Modulus of Elasticity. [2]MOR: Modulus of Rupture. [3]Design Values are mean derived from multiple specimens.

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

**UL-723 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 requirements
Grade:	Exposure-1
Thickness:	7/16”