



## Technical Specifications

Dimensions & Weights					
<b>Overall Thickness:</b>	4-1/2"	6-1/2"	8-1/4"	10-1/4"	12-1/8"
<b>Thickness Tolerance:</b>	+/- 1/8"	+/- 1/8"	+/- 1/8"	+/- 1/8"	+/- 1/8"
<b>Width:</b>	48" or 96"	*	*	*	*
<b>Width Tolerance:</b>	+/-1/8"	*	*	*	*
Standard Lengths: (Feet)					
<b>(48" widths x):</b>	8', 12', 16', 20', 24'	*	*	*	*
<b>(96" widths x):</b>	24'	*	*	*	*
<b>Length Tolerance:</b>	+/- 1/4"	*	*	*	*
<b>Weight:</b>	3.30 lb/sf	3.50 lb/sf	3.65 lb/sf	3.80 lb/sf	3.95 lb/sf
Insulating Core					
<b>Type:</b>	Expanded Polystyrene Foam				
<b>Thickness:</b>	3-5/8"	5-5/8"	7-3/8"	9-3/8"	11-1/4"
<b>Density:</b>	1 lb/cu.ft. (nominal)	*	*	*	*
<b>R-value</b>	4.00 per inch thickness	*	*	*	*
<b>System R-value</b>	16	23	30	38	45
Insulating Core Properties					
	Design Values				
<b>K Factor:</b>	.26	ASTM C518			
<b>Compressive Strength:</b>	10 psi	ASTM D1621			
<b>Flexural Strength:</b>	25 psi minimum	ASTM C203			
<b>Tensile Strength</b>	16 psi minimum	ASTM D1623			
<b>Shear Strength:</b>	18 psi minimum	ASTM D732			
<b>Shear Modulus:</b>	280 psi minimum	ASTM D732			
<b>Modulus of Elasticity:</b>	180 psi minimum	ASTM D732			
<b>WVT/Perm Inch:</b>	5.0 maximum	ASTM E96			
<b>Water Absorbtion (by volume)</b>	4% maximum	ASTM C272			
<b>Maximum Service Temperature</b>		167 degrees F (long term)			
<b>Foam Fire Rating:</b>	Class 1	**ASTM E-84			
<b>Flame Spread:</b>	<25	**ASTM E-84			
<b>Smoke Developed</b>	<450	**ASTM E-84			