

# DuroSpan<sup>®</sup> Insulation

*Durable rigid insulation*

## Main Applications:

- Retrofit & New Construction
- Exterior Insulating Sheathing
- Insulating Interior Basement Walls
- Insulating Foundation Walls
- Insulating Cathedral Ceilings

## Benefits:

- Laminated/branded product with thin film on both sides
- Long-term R-value 3.9 per inch
- Closed cell insulation resists moisture



4x8 ft sheets  
3/4, 1, 1 1/2, 2  
inch thicknesses

DuroSpan™ (Type I) insulation complies with the requirements of ASTM C578, Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation.

Material Property		Units	ASTM Test Method	C578, Type I Values
<b>Nominal Density</b>		pcf	NA	1.00
<b>Compressive Resistance<sup>1</sup></b> <i>Minimum @10% deformation</i>		psi	D1621	10.0
<b>R-value<sup>2</sup></b> <i>per inch thickness at mean temperature</i>	40 °F	ft <sup>2</sup> ·hr·°F	C518	4.2
	75 °F	Btu		3.9
<b>Water Vapor Permeance</b> <i>Maximum</i>		Perm	E96	5.0
<b>Flexural Strength</b> <i>Minimum</i>		psi	C203	25.0
<b>Dimensional Stability</b> <i>Maximum</i>		% linear change	D2126	2.0
<b>Water Absorption<sup>3</sup></b> <i>Maximum</i>		% by volume	D2861	4.0
<b>Oxygen Index</b> <i>Minimum</i>		volume %	D2863	24
<b>Density</b> <i>Minimum</i>		pcf	C303	0.90

<sup>1</sup> Compressive resistance measured at 10 percent in accordance with ASTM C578 is not intended for use when DuroSpan insulation will be used to support long-term compressive loads. Contact your Plasti-Fab technical representative for additional information.

<sup>2</sup> For additional information on thermal resistance requirements refer to ASTM C578.

<sup>3</sup> ASTM Test Method C272 water absorption requires 24 hours submersion of specimen under water. The water absorption values above are applicable to specific end-use design requirements only to the extent that the end-use conditions are similar to requirements stated in the test method.