

**A two-component, open celled, spray-applied, water blown rigid polyurethane insulation foam.**



## DESCRIPTION

SoyTherm® 50 spray insulation is a two-component, open celled, spray-applied, water blown semi-rigid polyurethane insulation foam. It is made from soybeans and contains no ozone-depleting chemicals, VOC's, formaldehyde, or asbestos. SoyTherm® 50 requires less energy to produce than spray foams made of petroleum products.

### Typical Physical Properties

TEST	METHOD
Density: 0.47-0.55 pcf	ASTM D1622
Thermal Conductivity: 3.7 F.ft2.h/Btu.in	ASTM C518
Burn Characteristics:	ASTM E84
Fire Rating: Class 1	
Flame Spread: 20	
Smoke Developed Index: 450	
Fuel Contribution: 0	

### RECOMMENDED SPRAY CONDITIONS

Primary Heater Range: 120-165 degrees F
Hose Temperature Range 120-165 degrees F
Pressure Conditions: 900-1300 psi
Component Temperatures: >70 degrees F

**Insulate today with an American grown and made product!**

### Liquid Component Properties

PROPERTY	ISOCYANATE	RESIN
	A-Side	B-Side
Viscosity (at 25 0C)	200cps	500 cps
Specific Gravity	1.23	1.09
Shelf Life	3 months	3 months
Mixing ratio (volume)	100	100
Shipping/Storage/Handling	Keep from freezing and moisture	Keep from prolonged storage above 100 F

### GENERAL INFORMATION

It is recommended, for optimal performance, that the resin component be mixed continuously during application. This will ensure the consistency of the spray material and provide the best properties of the finished product.

The information contained herein is to assist customers in determining whether our products are suitable for their applications. We request that customers inspect and test our products before and satisfy themselves as to contents and suitability. Nothing herein shall constitute a warranty, express or implied, including any warranty of merchantability or fitness, nor is protection from any law or patent inferred.



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