

# TECHNICAL INFORMATION



## SPRAY FOAM SYSTEM FOR THERMAL INSULATION

### DESCRIPTION

Sealguard 500 is a two component, open cell spray applied, semi rigid polyurethane foam system which simultaneously insulates and air-seals your building structure. Fills all building cavities completely sealing all cracks, crevices, and voids where air loss and infiltration are most common.

This product contains flame retardants. Sealguard 500 will not melt or drip.

### APPLICATIONS

Is recommended to apply on roofs and walls.

Spray foam application temperatures and pressures can vary widely depending on temperature, humidity, elevation, substrate, equipment and other factors. While processing, the applicator must continuously observe the characteristics of the sprayed foam and adjust processing temperatures and pressures to maintain proper cell structure, adhesion, cohesion and general foam quality. For additional information, please contact with Lallafoam USA, Inc.

### STORAGE & HANDLING

Keep out from direct sun.  
Store in a cool, dry place (67 – 77 °F).

This product expires 6 months from date of manufacture when stored in original unopened container.

### ENVIRONMENT/ HEALTH/ SAFETY

This product does not contain CFC's, HCFC. Following installation there will be a 24-48 hour occupancy window before the odors, emissions and gasses have dissipated to a habitable level for individuals highly sensitive to the materials installed.

### GENERAL INFORMATION

The recommended application and handling procedures for the specific product being used should be known and followed by the foam applicator.

### PHYSICAL PROPERTIES

CHARACTERISTICS	METHOD ASTM	VALUE	UNIT
DENSITY	D-1622	7.2 – 8	Kg/m <sup>3</sup>
		0.45 – 0.5	LB/FT <sup>3</sup>
R FACTOR @ 1"	C-518	3.81	h Ft <sup>2</sup> °F/BTU
		0.67	Km <sup>2</sup> /W
FLAMABILITY	D-1692*	LESS THAN 1 IN/ 20 SEG. SE 1.1in /18s	
COMPRESIVE STRENGTH	D-1621	0.7	PSI
TENSIL STRENGTH	D-1623	5.6	PSI
WATER ABSORTION	D-2127	0.06%	Lbs/Ft <sup>2</sup>
DIMENSIONAL STABILITY	D-2126	1.0 % 24 Hrs @ 0.4 °F	% volumen change
		2.0 % 24 Hrs @ 70 °F	
<b>APPLICATION (77 °F)</b>			
VISCOSITY	D-1638	Resin 150 – 300	Cps
		MDI 200	
RATIO RESIN/ISO		100/100	Volume
		100/110	Weight
CREAM TIME		1 – 2	Seg
GEL TIME		3 – 4	Seg
FREE TACK TIME		6 – 7	Seg
RISE TIME		6 – 7	Seg

THESE PHYSICAL PROPERTY RESULTS ARE TYPICAL FOR THIS MATERIAL AS APPLIED AT OUR DEVELOPMENT FACILITY UNDER CONTROLLED CONDITIONS (25 °C). THE RESULTANT PHYSICAL PROPERTIES CAN VARY WITH CHANGES IN THE APPLICATION PARAMETERS.

The information in this technical sheet is considered accurate however, this technical information is based on results of actual test conducted by Lallafoam USA, Inc. It should only be used as a guideline for typical properties, the user must test and qualify this product under his particular processing conditions. Final determination of conformance is the responsibility of the user

FOR ADDITIONAL INFORMATION CONTACT:  
LALLAFOM USA, Inc.  
244 Madison Ave Suite 323  
New York, NY 10016  
USA Toll Free Telephone: 1-888-669-3626  
Europe/Russia Telephone: +48 881 911 999