



High-Performance Spray  
Foam Insulation for Homes  
and Commercial Buildings.

## BENEFITS

SPRAY 6"  
in ONE PASS

Yield Master:  
up to  
6,000 bd ft

Adds structural  
integrity

R-Value  
R-7.1 @ 1"

1.7 lb.  
Density

The US Department of Energy states that 40% of air loss is due to air infiltration.

With continuous research and development, **ThermoSeal** continues to lead the spray foam insulation industry in both quality and diversity of spray foam products. Our products insulation performance is the clear winner in energy savings, sound control, moisture vapor permeance, lifespan, and cellular structure, therefore reducing waste and cost at the same time.



- Sales Support
- Tech Support
- Co-op Marketing
- Leads
- Competitive Pricing & Terms
- Training

# TECHNICAL DATA SHEET

Material Specification Criteria | Project Submittal Data



# ThermoSeal 5G

## ThermoSeal 5G

### Medium Density • Closed Cell Spray Foam Insulation

ThermoSeal 5G is a Next Generation two component, semi-rigid, medium density, 1.7 lb closed cell polyurethane foam insulation system which simultaneously insulates and air-seals your building structure. ThermoSeal 5G uses the latest generation, high performance blowing agent known as Solstice LBA developed by Honeywell. Solstice LBA has a Global Warming Potential ("GWP") up to 99.9% of the products they replace. ThermoSeal 5G requires the use of an "A" component (ISO) and a blended "B" component (RESIN), which contains ZERO ozone depleting catalysts, polyols and fire retarding materials. ThermoSeal 5G is designed to make homes more energy efficient, quieter, healthier and more comfortable. ThermoSeal 5G is applied as a liquid spray which expands approximately 15 times its initial mass and cures within seconds into a semi-rigid mass. ThermoSeal 5G fills all building cavities completely sealing all cracks, crevices, and voids where air loss and infiltration are most common.

Physical Properties		
Property	Value	Test Method
R-Value	7.1 @ 1"	ASTM C 518
Core Density	1.7 LB / Cubic Foot	ASTM D 1622
Closed Cell Content	>= 92%	ASTM D 2586
Water Vapor Transmission - Permeance	Perms: .8 @ 1" / .23 @ 3.5"	ASTM E 96
Air Leakage Rate	Zero (0) ft3/s.ft2 @ 75Pa	ASTM E 283
Compressive Strength (PSI)	20	ASTM D 1621
Tensile Strength (PSI)	60	ASTM D 1623
Dimensional Stability	< 5%	ASTM D 2126
Fungi Resistance	Zero Rating	ASTM G 21
Fire Properties		
Property	Value	Test Method
Surface Burning Characteristics • Flame Spread • Smoke Index	Class 1 Pass <25 <450	ASTM E 84
Ignition Barrier	• Complies with the applicable requirements of ICC-ES AC377 Appendix X for use in attics and crawlspaces without a prescriptive ignition barrier.	ICC- ES AC377 Appendix X
Thermal Barrier	• Pass using DC315 manufactured by International Fireproof Technology, Inc at (88.88 sq. ft./gal @ 18 mils wet and 12 mils dry) coverage rate of 1.136 gallons (4.3 L) per 100 square feet (9.3 m2)	NFPA 286
Evaluation Report		
Evaluation Report	IN PROGRESS	IAPMO ES
Wind Uplift Test	PASS @135 (psf) / 233 (mph)	UL 1897

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ThermoSeal Closed Cell Spray Foam creates an Air Barrier, Vapor Barrier, Water Barrier and stops Thermal Bridging by creating a Monolithic Seal in ONE Application.