ThermoSeal 500
Open Cell

SPF CONTRACTORS & INSTALLERS

THERMOSEAL™
Insulation of the Future

is a high-performance spray foam insulation for homes and commercial buildings.

Contractor/Applicator Benefits

- **Sprayability** — Easy to spray with a more controlled rise, resulting in less waste
- **Predictability** — Provides consistent & predictable yields
- **Ease of Use** — * Constant mixing is not required
- **R-Value** — One of the highest Aged R-Values available in the industry today

The US Department of Energy states that 40% of energy 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.

* ThermoSeal 500 is a NO MIX Open Cell Spray Foam Formula.

ThermoSeal Partnership

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

Phone: 800-853-1577
www.ThermoSealUSA.com

TECHNICAL DATA SHEET

Material Specification Criteria | Project Submittal Data

THERMOSEAL™ 500
Insulation of the Future

THERMOSEAL 500

Thermoseal 500

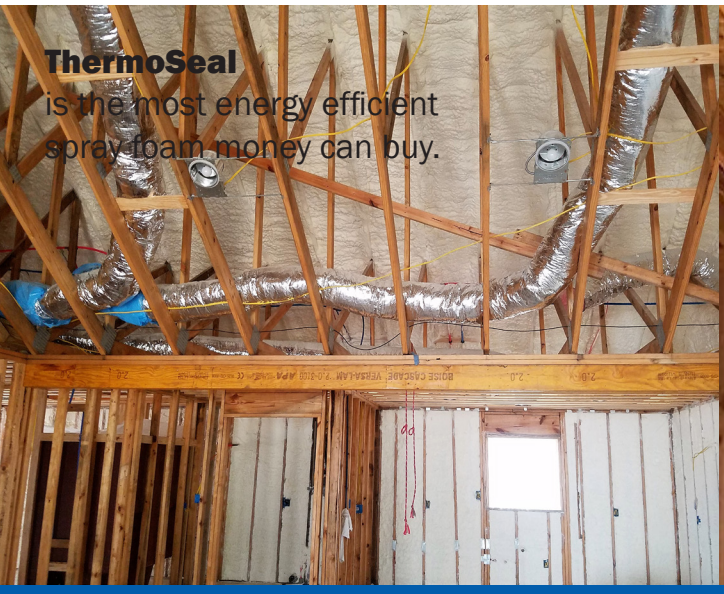
Light Density • Open Cell Spray Foam Insulation

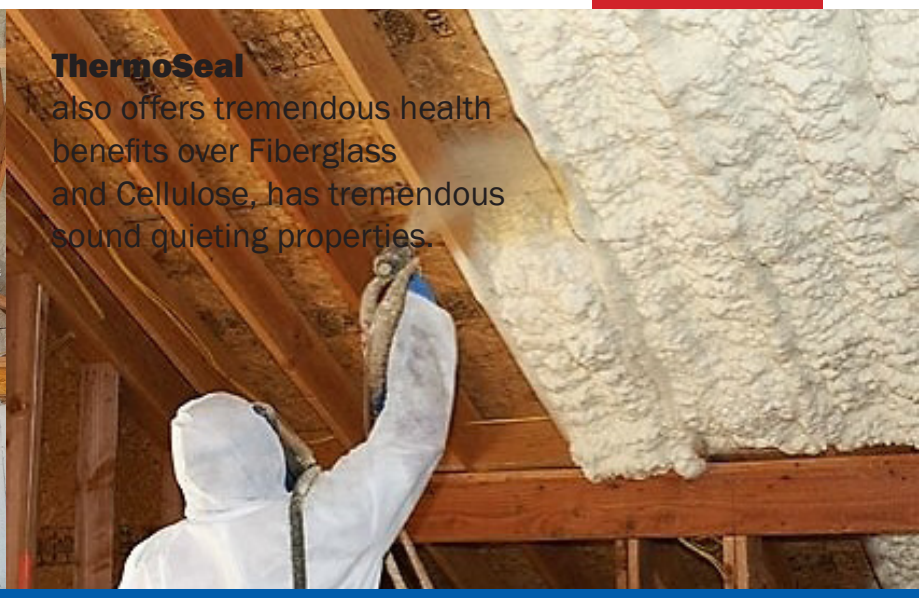
ThermoSeal 500 is a two component, semi-rigid, totally water blown, .5lb light density polyurethane foam insulation system which simultaneously insulates and air-seals your building structure. Thermoseal 500 requires the use of an "A" component (ISO) and a blended "B" component (RESIN), which contains ZERO ozone depleting blowing agents, catalysts, polyols and fire retarding materials. ThermoSeal 500 is designed to make homes more energy efficient, quieter, healthier and more comfortable. ThermoSeal 500 is applied as a liquid spray which expands approximately 100 times its initial mass and cures within seconds into a semi-rigid mass. ThermoSeal 500 fills all building cavities completely, sealing all cracks, crevices, and voids where air loss and infiltration are most common. If needed, excess material is easily trimmed off leaving a surface ready for drywall.

Physical Properties		
Property	Value	Test Method
R-Value	3.7 @ 1"	ASTM C 518
Core Density	0.5 LB / Cubic Foot	ASTM D 1622
Open Cell Content	> 97%	ASTM D 6226
Water Vapor Transmission - Permanence	21 Perms at 1"	ASTM E 96
Air Leakage Rate	< 0.002 (L/s-m2)	ASTM E 283
Tensile Strength (PSI)	5.19	ASTM D 1623
Dimensional Stability	< 5%	ASTM D 2126
Sound Transmission Coefficient	39	ASTM E 413
Noise Reduction Coefficient	0.75	ASTM C 423

Fire Properties		
Property	Value	Test Method
Surface Burning Characteristics • Flame Spread • Smoke Index	Class 1 Pass <25 <450	ASTM E 84
Ignition Barrier	• Pass using DC315 manufactured by International Fireproof Technology, Inc at 4 Wet Mils - 3 Dry Mils	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	#ESR-3225	ICC Council





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