

FlameGuard 500
Open Cell

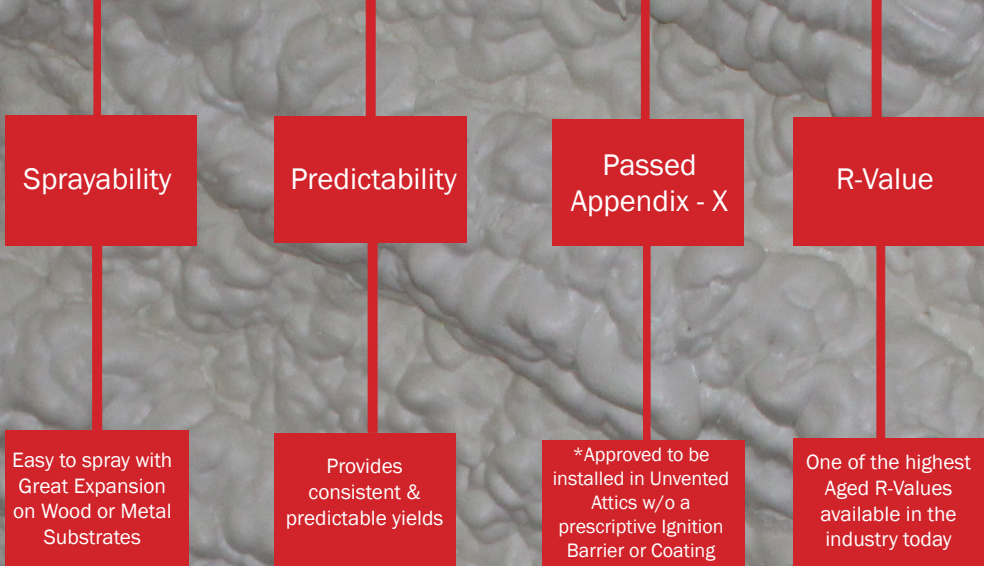


SPF CONTRACTORS & INSTALLERS



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

Contractor/Applicator Benefits



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

ThermoSeal Partnership



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

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.

* For Attics and Crawl Spaces that are accessible for Service of Utilities Only

FlameGuard 500

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Light Density • Open Cell • Appendix X Spray Foam Insulation

ThermoSeal Flameguard 500 is an Appendix X rated, two component, semi-rigid, totally water blown, .5lb light density polyurethane foam insulation system which simultaneously insulates and air-seals your building structure. Flameguard 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. Flameguard 500 is designed to make homes more energy efficient, quieter, healthier and more comfortable. Flameguard 500 is applied as a liquid spray which expands approximately 100 times its initial mass and cures within seconds into a semi-rigid mass. Flameguard 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	3.9 @ 1"	ASTM C 518
Core Density	0.5 LB / Cubic Foot	ASTM D 1622
Open Cell Content	> 97%	ASTM D 6226
Water Vapor Transmission - Permeance	17 perms at 1"	ASTM E 96
Air Leakage Rate	< 0.002 (L/s-m ²)	ASTM E 283
Tensile Strength (PSI)	5.73	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 ATI Labs/Intertek Report No.: F9961.05-121-24 Test Date: July 28, 2016	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 m ²)	NFPA 286

Evaluation Report

Evaluation Report	#CCRR-1097	Intertek CCRR
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ThermoSeal
is the most
energy efficient
spray foam
money can buy.

ThermoSeal
Open Cell Spray
Foam, creates
a quieter more
comfortable
home, with less
dirt, dust, and
allergens vs.
fiberglass and
cellulose