

ENERGY SAVER SYSTEM

Distributed by: Insulation
Corporation of America



- **Roof & Wall System**
- **Excellent Installed R Value**
- **Bright Interior Finish**
- **Abuse Resistant**

PRODUCT DESCRIPTION

This economical, high R value insulation system consists of a white support fabric, painted steel banding and fiberglass blanket insulation. The fabric is fastened to the inside of the purlins and girts in a metal building and is supported by the banding. The insulation is positioned between the fabric and the roof or wall panels. The R value obtained will vary depending on the physical space available. Most industry experts believe that the space between the fabric and the panels should be filled with insulation in order to avoid potential condensation problems.

Maximum thermal performance is achieved with this system, as all the space within the purlin/girt cavity can be completely filled with insulation. The finish is bright, durable, and requires little maintenance.



Corporate office: Kansas
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SPECIFICATIONS

Support Fabric:

The fabric used is made up of woven reinforced high-density polyethylene yarns coated on both sides with a continuous low density polyethylene film. The polyethylene fabric is extremely durable and is resilient to abuse. The standard color is white, however, additional colors are available on a non standard basis (minimum order size and lead time will vary.) Energy Saver fabric can be cleaned with mild dishwasher detergent; chemical cleaners should be avoided.

Weight	4.2 oz. per square yard
Tensile Strength	140 lbs (ASTM D5034)
Mullen Burst	175 psi (ASTM D3786)
Flame/Smoke Rating*	Flame Spread 0; Smoke Developed 15-40 (ASTM E84)
Perm Rating	.02 U.S. Perms (grains/hour/sf/in.Hg - ASTM E-96)
Puncture Resistance	79 pounds (ASTM D4833)
Sound Absorption	NRC = .070
Light Reflectivity	>90% (ASTM E1146)
Large Scale Flame Resistance	Pass/Self Extinguishes (NFPA 701-1989)
UV Weathering	UV Stabilizers Added for extra protection

* Flame and smoke ratings can be verified by going to www.ul.com; click on the Online Certifications directory. Search by UL File Number and enter R15076 — then click on BVDV.R15076

**NFPA 701-1989 is a Large Scale Flame Resistance Test. The specimen is positioned vertically 4" above the tip of a gas burner. When the burner is removed from this fabric, the flame self extinguishes.

Fiberglass Insulation:

Fiberglass blanket is rated FHC 25/50 with a flame spread rating of 25 or less and a smoke developed rating of 50 or less tested in accordance with ASTM E-84. R-Value will vary depending on customer selection.

Banding:

Energy Saver Banding is 100 KSI tempered, high tensile strength steel, galvanized, primed and painted white. Minimum size shall be .019 thick x 1" wide x continuous length.

Accessories:

- Adhesive to bond the fabric to the steel framing and a disposable brush.
- Self drilling fasteners to connect the banding to the purlins/girts, & heavy duty fasteners to connect the banding to the rafters.
- Optional accessories for wall applications include Insul-Hold Coils (used to support insulation within the girt cavity), and 1/8" foam tape (used to isolate the wall panels from the girts).

WARRANTY AND REMEDY

Except for the description and specifications expressly stated within this product data sheet, there are no warranties or guarantees, written or verbal, express or implied including warranties of merchantability or fitness for a particular purpose, or otherwise, with respect to the Energy Saver's use or performance, and any such warranties are hereby expressly rejected and disclaimed. Final determination of the suitability of the Energy Saver System for any use contemplated by the Buyer is the sole responsibility of the Buyer, and CGI/Silvercote, Inc. shall under no circumstance be liable for any incidental or consequential loss or damage whatsoever arising out of, or in any way relating to, any claimed breach of warranty or claimed defect in or nonperformance of the Energy Saver System.

Note: The Energy Saver support film contains UV stabilizers to improve the products' performance when exposed to UV light. However, exposure of the film to excessive amounts of UV light, heat or exposure to certain chemicals can cause rapid deterioration of the film resulting in flaking, brittleness and loss of strength. The use of indirect lighting, where the light fixtures are aimed at the support film, and not at the building floor, can cause significant damage to the Energy Saver film and is not recommended. CGI/Silvercote, Inc. does not warrant the Energy Saver support film for failure due to deterioration from any of the causes identified above.



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