



SYSTEM FEATURES AND BENEFITS



WHY CHOOSE ENERGY SAVER FP™?

▶ FALL PROTECTION

Protects the installation crew while the building is insulated and roofed by providing OSHA-compliant leading edge fall protection when installed by a Guardian-certified contractor.

▶ EXCELLENT INSTALLED THERMAL PERFORMANCE

The system allows for maximum fiberglass insulation recovery.

▶ EXCEPTIONAL FIRE PERFORMANCE

Both the fiberglass insulation and Energy Saver FP fabric feature a FHC 25/50 flame spread and smoke development rating per ASTM E-84.

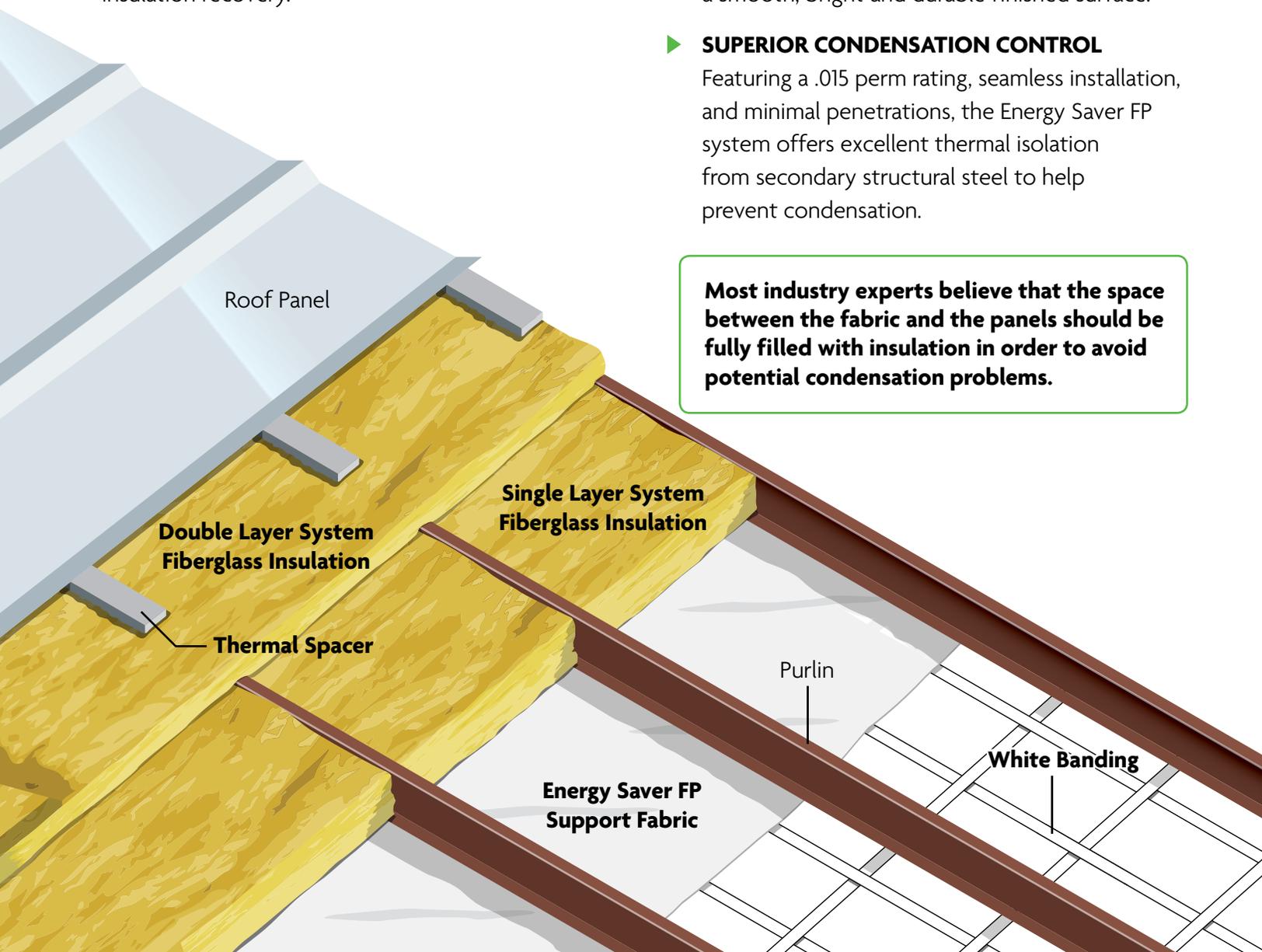
▶ CLEAN, BRIGHT AND DURABLE INTERIOR

The Energy Saver FP fabric resists tears and conceals secondary structural supports, providing a smooth, bright and durable finished surface.

▶ SUPERIOR CONDENSATION CONTROL

Featuring a .015 perm rating, seamless installation, and minimal penetrations, the Energy Saver FP system offers excellent thermal isolation from secondary structural steel to help prevent condensation.

Most industry experts believe that the space between the fabric and the panels should be fully filled with insulation in order to avoid potential condensation problems.



ROOF AND WALL INSULATION SYSTEMS

ROOF SYSTEM - The Energy Saver FP system consists of a network of straps (white painted galvanealed banding), a bright white support fabric and fiberglass blanket insulation. Each piece of the support fabric is custom made to fit a specific location within the building. Higher R-values than can be attained by installing only one layer of cross-purlin faced insulation can now be reached, as Energy Saver FP allows the entire purlin cavity to be filled. The insulation is positioned on, or to the exterior side, of the fabric in various R-values depending on the project requirements and available space.

Our popular double layer system consists of two layers of fiberglass; one installed directly on top of the fabric (parallel with the purlins), while the second layer is positioned above and perpendicular to the purlins (minimizing conductive heat transfer from the purlins to the roof panels). In our single layer system, the fiberglass is installed directly on the fabric and thermal spacer blocks* are positioned on the purlins.

The Energy Saver FP system provides excellent condensation control, is bright, durable, and requires little maintenance. Energy Saver FP is not recommended for high humidity applications and should never be used in buildings housing pools or open sources of water.

WALL SYSTEM - The Energy Saver FP system may also be installed in wall structures. Popular installations include both single and double layer systems. As with the roof, it is recommended to limit conductance through the steel members, that a thermal break such as foam tape or foam thermal spacer blocks be installed between the girts and wall panels. In a double layer system, the second layer of fiberglass accomplishes this task.

* Thermal spacer blocks are not included in base system price. If desired specify with the order.

ENERGY SAVER FP R-VALUES

ROOF SYSTEM R-VALUES (Pre-installed)

Single Layer Systems

R-19	6" Single Layer
R-25	8" Single Layer
R-30	9 ½" Single Layer

Double Layer Systems

R-20	6" Double Layer	(R-10 + R-10)
R-26	8" Double Layer	(R-13 + R-13)
R-30	9 ½" Double Layer	(R-19 + R-11)
R-32	10" Double Layer	(R-19 + R-13)
R-35	11" Double Layer	(R-25 + R-10)
R-36	11 ½" Double Layer	(R-25 + R-11)
R-38	12" Double Layer	(R-25 + R-13)
R-40	12" Double Layer	(R-30 + R-10)

WALL SYSTEM R-VALUES (Pre-installed)

Single Layer Systems

R-19	6" Single Layer
R-25	8" Single Layer
R-30	9 ½" Single Layer or Double Layer

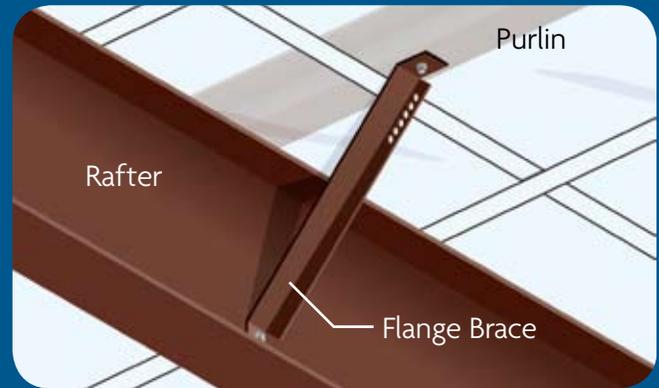
KEEPING IT TIGHT

A highly consistent vapor retarder can be achieved if care is taken to minimize cuts to the Energy Saver FP fabric. Attach lights, sprinklers, conduit, ductwork, etc. to the underside of the purlins with as little penetration to the fabric as possible by using common construction hangers. Contact one of our sales representatives if you cannot purchase these hangers locally.

NOTE: The Energy Saver FP system is designed for only *single use* leading edge fall protection. **It is not intended to be stepped into or walked upon.** In the event of a fall, Energy Saver FP cannot be relied upon to provide leading edge fall protection until the fabric and banding are replaced with new components.

FLANGE BRACE ATTACHMENT

- ▶ Many metal building manufacturers can accommodate requests for a modified attachment of the flange braces, which helps minimize penetrations to the Energy Saver FP™ fabric. We suggest you check with your supplier prior to ordering your building to see if something like the accompanying detail is available. Note that the flange brace to purlin connection is a critical detail that cannot be modified without approval from a qualified engineer.



29200 Fountain Parkway · Solon, Ohio 44139

800-231-6200

www.silvercote.com