

EnergyGuard™ POLYISO Custom Cut Sell Sheet

Updated: 12/15



*Quality You Can Trust...From
North America's Largest Roofing Manufacturer!™*

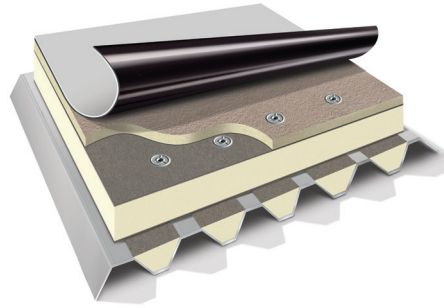


Quality You Can Trust... From North America's Largest Roofing Manufacturer!™

EnergyGuard™

(1 of 2)

POLYISO INSULATION



Description

EnergyGuard™ Polyiso Insulation Custom Cut For Flute-Fill Applications is made of glass fiber-reinforced cellulosic felt facer bonded to a core of isocyanurate foam. It is designed to fill the flutes in standing seam and lap seam metal roof retrofit systems in order to provide a level surface for TPO and PVC membranes, as well as to provide an increased R-value to the existing structure.

EnergyGuard™ Polyiso Insulation Custom Cut For Flute-Fill Applications is available with either straight-cut or bevel-cut edges in order to suit a variety of metal roof retrofit applications.

Custom-cut flute-fill dimensions are also available using EnergyGuard™ Ultra Polyiso Insulation with coated fiberglass facers.

Features and Benefits

- Saves time—Eliminates the need for cutting flat stock in the field to fit within the standing seam metal roof cover deck flutes
- High insulation R-value per inch, which contributes to improving the overall R-value of a roof assembly; better thermal resistance versus other types of flute filler, such as EPS and XPS; improves dimensional stability, which virtually eliminates concerns about flute spanability

- Available in thicknesses from 1"–4.6" and custom widths
- Meets the requirements of ASTM C1289, Type II, Class 1, Grade 2 (20 psi) and is also available in Grade 3 (25 psi)
- Refer to the application specifications in the current membrane manufacturer's published application and specifications manual for proper membrane installation procedures
- FM Approved and UL Classified—Consult RoofNav.com and ul.com for details or contact GAF Technical Services at 1-800-ROOF-411
- Manufactured with EPA-compliant blowing agents containing no CFCs or HCFCs; has zero ozone depletion potential (ODP) and virtually no global warming potential (GWP)

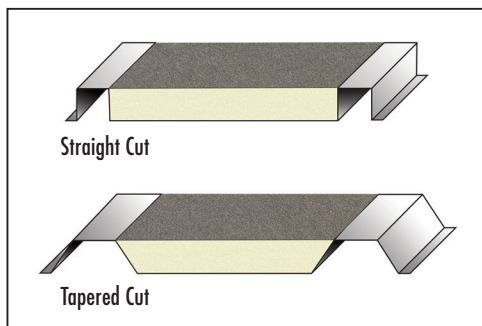
WARNING: DO NOT EXPOSE TO OPEN FLAME OR EXCESSIVE HEAT. MAY SMOLDER IF IGNITED. IF IGNITED, EXTINGUISH COMPLETELY.

Typical Physical Properties

Property	Value	Test Method
Water Absorption, % by Volume – 2 hours (under 1" [25.4 mm] water)	1.5 max.	ASTM C209
Dimensional Stability Change, 7 days @158°F (70°C), 97% RH	<2%	ASTM D2126
• Length + Width		
Compressive Strength — psi (kPa)	25 (172) nom. Grade 3 20 (138) nom. Grade 2	ASTM D1621
Tensile Strength — psf (kPa)	≥ 500 (23.9)	ASTM C209
Moisture Vapor Transmission	<1.5 perm (85.8ng/Pa•s•m²)	ASTM E96 (Procedure A)
Flame Spread ^{(1),(2)} Index	<75	ASTM E84
Service Temperature	-100 to 200°F (-73.3 to 93.3°C)	

⁽¹⁾Foam core only.

⁽²⁾These numerical ratings are not intended to reflect hazards presented by these or any other material under actual fire conditions.



POLYISO INSULATION

Custom Cut For Flute-Fill Applications



Quality You Can Trust... From North America's Largest Roofing Manufacturer!™

EnergyGuard™

(2 of 2)

POLYISO INSULATION

POLYISO INSULATION

Custom Cut For Flute-Fill Applications

Limitations and Potential Fire Hazard

- EnergyGuard™ Polyiso Insulation is a non-structural, non-load-bearing material. It is not designed for direct traffic usage unless adequately protected.
- EnergyGuard™ Polyiso Insulation should be stored protected from the elements. Bundle wrap is not for use as waterproofing for boards. No more insulation should be installed than can be completely covered with roofing on the same day.
- As unprotected polyisocyanurate will burn, fire safety precautions should be observed wherever insulation products are used.

Code Compliance





 (Statesboro, GA/
Gainesville, TX)
 State of Florida Approved

*Product certified at time of publication. Consult with manufacturer and the PIMA quality mark program directory on the PIMA website (www.pima.org).