

Product Guide

Insulfoam Roofing Insulation

- › High-performance code-compliant roof insulations
- › Lightweight, economical & easy to install
- › Numerous UL and FM approvals; recognized by ICC-ES
- › Environmentally friendly—no ozone-depleting CFCs or HCFCs
- › Thermally stable, with 20-year warranted R-value
- › Engineered to meet ASTM C578 specifications
- › Resistant to moisture
- › 10 manufacturing locations in the US

	InsulRoof® (Flat EPS roof insulation panels)	Tapered InsulRoof (Tapered EPS roof insulation)	InsulRoof SP (Flat EPS with coated glass facer)	R-Tech® FF (Flat EPS fanfold roof underlayment with polymeric white & metalized facers; 2 square bundles)	InsulRoof FL (Flute Fill EPS custom-cut to fill metal roof flutes)
Features	<ul style="list-style-type: none"> Multiple densities, R-values and compressive strengths Various sizes and thicknesses Applicable ASTM Types (density): I (1#), VIII (1.25#), II (1.5#), IX (2#), XIV (2.5#) & XV (3#) 	<ul style="list-style-type: none"> Up to 40" in a single layer Multiple densities, R-values and compressive strengths Applicable ASTM Types (density): I (1#), VIII (1.25#), II (1.5#), IX (2#), XIV (2.5#) & XV (3#) 	<ul style="list-style-type: none"> Factory-laminated coated-glass facer Standard with 1.25# InsulRoof EPS, multiple densities available Saves installation time and cost in roof systems requiring slip sheets 	<ul style="list-style-type: none"> Ideal for recover applications High resistance to moisture Works with light- and dark-colored membranes (applications below) Multiple densities and thicknesses Economical, quick-and-easy to install 	<ul style="list-style-type: none"> Square, taper or profile cuts to completely fill flutes in metal decks Wide range of densities and compressive strengths
Specs (Density in nominal lb/ft³ R-Value per inch @ 40°F Compressive Strength in psi)	1.00 to 3.00 lb/ft³ density 4.17 to 5.05 R/inch warranted 10 to 60 psi comp. strength	1.00 to 3.00 lb/ft³ density 4.17 to 5.05 R/inch warranted 10 to 60 psi comp. strength	1.25 lb/ft³ density 4.25 R/inch warranted 13 to 18 psi comp. strength (higher densities/compressive strengths available)	1.00 to 3.00 lb/ft³ density 4.17 to 5.05 R/inch warranted 10 to 60 psi comp. strength	1.00 to 3.00 lb/ft³ density 4.17 to 5.05 R/inch warranted 10 to 60 psi comp. strength
Product Dimensions	Thickness: ¼"–40" (⅛" increments) Size: 4' x 8' or 4' x 4' Custom sizes/widths available	Slope: No limitations to available slope per foot Starting Thickness: ⅛" (min) End Thickness: 40" (max) Size: 4' x 8' or 4' x 4' Custom sizes/widths available	Thickness: 1" to 7" (⅛" increments) Size: 4' x 8' Custom sizes available	2 sq. bundles Bundle coverage: 4' x 50' (2 sq.) Thickness: ⅜", ½", ¾" Individual panel size: 2' x 4'	Square, taper or profile cuts to completely fill flutes in metal decks
Applications	<ul style="list-style-type: none"> Mech. attached or ballasted Adhered w/coverboard Higher psi products ideal for Inverted Roof Membrane Assemblies (IRMA) and plaza deck applications 	<ul style="list-style-type: none"> Mech. attached or ballasted Adhered w/coverboard Higher psi products ideal for IRMA and plaza deck applications 	<ul style="list-style-type: none"> All mech. attached systems Compatible with fleeceback and bare-backed membranes Adhered systems using manufacturer-approved EPS compatible adhesive 	<ul style="list-style-type: none"> Recover applications Slip sheet not needed for mech. attached or ballasted systems Metalized facer side up when used under dark membranes White polymeric facer compatible with all PVC, EPDM and TPO membranes 	<ul style="list-style-type: none"> Metal roof system recover applications

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InsulRoof HD Composite
 (Flat EPS factory-bonded to ½"-thick
 100 psi high-density polyiso)

R-Tech Roof Underlayment
 (Flat EPS roof underlayment with
 polymeric white & metalized facers)

InsulLam™
 (Flat EPS factory-bonded to
 Gyp, OSB, plywood)

InsulRoof HB
 (Flat EPS with 6 or 8 factory-
 applied holes, for lightweight
 concrete systems)

InsulVent
 (Flat EPS with precision-cut channels,
 factory-bonded to OSB or plywood)

Features	InsulRoof HD Composite	R-Tech Roof Underlayment	InsulLam™	InsulRoof HB	InsulVent
<ul style="list-style-type: none"> Compatible with adhered and mech. attached systems Standard with 1# InsulRoof EPS, multiple densities available UL Class A rated continuous insulation for combustible decks Enhanced wind resistance and severe hail ratings 	<ul style="list-style-type: none"> Ideal for recover applications requiring 1" separator board High resistance to moisture Works with light- and dark-colored membranes (applications below) Multiple densities and thicknesses available Economical, quick-and-easy to install 	<ul style="list-style-type: none"> Saves installation time and cost High-performance nailbase insulation Can also be made with other cover boards 	<ul style="list-style-type: none"> Breathable insulation for lightweight concrete systems Standard with 1# InsulRoof EPS with 6 or 8 factory-applied holes Multiple densities available Tapered options available 	<ul style="list-style-type: none"> High-performance vented nailbase insulation ½", ¾" or 1" precision-cut channels between insulation and OSB/plywood Promotes air flow Can be made with other cover boards 	
Specs (Density in nominal lb/ft³ R-Value per inch @ 40°F Compressive Strength in psi)	InsulRoof core: 1.00 to 3.00 lb/ft³ density 4.17 to 5.05 R/inch warranted 10 to 60 psi comp. strength ½" HD Polyiso: 2.5 Rated R 100 psi comp. strength	1.00 to 3.00 lb/ft³ density 4.17 to 5.05 R/inch warranted 10 to 60 psi comp. strength	InsulRoof core: 1.00 to 3.00 lb/ft³ density 4.17 to 5.05 R/inch warranted 10 to 60 psi comp. strength	1.00 lb/ft³ density 4.17 R/inch warranted 10 to 14 psi comp. strength	InsulFoam core: 1.00 to 3.00 lb/ft³ density 4.17 to 5.05 R/inch warranted 10 to 60 psi comp. strength
Product Dimensions	Thickness: 1½"–6" (including ½" polyiso) Size: 4' x 8' Custom sizes/widths available	Thickness: 1" Size: 4' x 8' or 4' x 12' Custom sizes available	Thickness: 1½"–7" (including OSB/plywood) Panel Size: 4' x 8' Custom sizes/widths available	Thickness: ¾"–20" Size: 2' x 4' Custom sizes/widths available	Thickness: 3"–7" (including OSB/plywood) Panel Size: 4' x 8' Custom sizes/widths available
Applications	<ul style="list-style-type: none"> Compatible with all polyiso-compatible systems (including fully adhered) 	<ul style="list-style-type: none"> Ideal for recover applications requiring 1" separator board Slip sheet not needed for mech. attached or ballasted systems Metalized facer side up when used under dark membranes White polymeric facer compatible with all PVC, EPDM and TPO membranes 	<ul style="list-style-type: none"> Roof systems that require a coverboard Compatible with all membrane systems (including fully adhered) InsulLam is not a structural panel, and is suitable only for installation over fully supported structural decks 	<ul style="list-style-type: none"> Lightweight Concrete (LWC) insulating systems 	<ul style="list-style-type: none"> Sloped roof systems that use shingles or metal cladding InsulVent is not a structural panel, and is suitable only for installation over fully supported structural decks