

Roof Insulation Systems & Substitutions

Proven and tested insulation.
Most R-value per dollar.



Insulation Need	Insulfoam Production	Savings
Recover applications requiring a separator board	R-Tech FF Fanfold Insulation	Up to \$25 per square vs. other cover boards
Recover applications requiring a 1" separator board	1" R-Tech Insulation	Up to \$10 per square vs. 1" Iso
High R-value Insulation Systems	1.5" InsulRoof SP & InsulRoof I	Up to \$40 per square vs. Iso
Tapered Insulation Systems	InsulRoof EPS tapered or hybrid tapered ISO systems using EPS fill	Up to 30% savings vs. Tapered Iso
Metal Roof Recover	InsulRoof FL (Flute Fill)	Up to 25% savings vs. Iso Flute Fill
High Traffic Areas	InsulRoof HD Composite (high-density polyiso with EPS base)	Up to 25% savings vs. Other Composites
Inverted Roof Membrane Assemblies (IRMA)	InsulRoof High-Density Products	Up to 15% savings vs. XPS
Garden Roofs	InsulRoof EPS	Up to 40% savings vs. XPS



Why Insulfoam ESP?

With a broad range of insulation types available, it's easier than ever for contractors to construct an energy-efficient roof system. Insulfoam EPS (expanded polystyrene) rigid foam insulation has been used for decades by industry professionals looking to achieve high thermal properties for a cost-effective price. The benefit of lightweight EPS goes far beyond price, as it also helps to decrease material and labor expenses. And, unlike other rigid insulations, EPS R-values remain stable, without drifting or fading over time. Backed with a 20-year thermal performance warranty, you can be confident that Insulfoam's EPS products are the best option for your project.





A Truly Green, High-Performance, & Economical Roof Insulation

Cost-Effective

- More R-value per dollar than any other rigid insulation
- R-value doesn't degrade over time
- Most cost-effective insulation - typically 25-50% less than other rigid insulations
- Easy to install - reduces labor costs by more than 50%
- Complimentary 20-year thermal performance warranty available

Engineered for Versatility

- Available in 1/2" - 40" product thicknesses
- Available in multiple densities, compressive strengths and panel sizes
- Suitable for use under all major BUR, Mod Bit roofing membranes: TPO, PVC, EPDM, & CSPE
- Code-recognized insulation (ICC-ES, UL, Factory Mutual) at an economical price
- Meets or exceeds ASTM C578 requirements

Easy to Install

- Lightweight panels
- Highly durable, yet resilient
- Simple to cut in the field with a saw or hot wire kit
- Custom, job-specific sizes with no additional lead time

Environmentally Sustainable

- 100% recyclable, may contain up to 25% recycled content
- High long-term thermal performance (stable R-value) conserves energy and operational costs
- Contains no dyes, formaldehyde or ozone-depleting HCFC's
- ENERGY STAR[®] qualified
- Can contribute toward LEED[®] credit requirements
- Does not support mold or mildew growth for improved indoor air quality (IAQ)
- Naturally water resistant - does not readily absorb moisture from the environment
- Regional manufacturing throughout North America reduces transportation costs to jobsites and environmental impact

Proven Performance: The same Insulfoam EPS chemistry has been used since the mid-1950's, so the actual performance is well documented.



Insulfoam Roofing Insulation Products: New & Reroofing Applications

Products	Overview	Specifications
InsulRoof EPS: Flat & Tapered	High-performing, superior, closed-cell, lightweight EPS insulation is available flat or factory tapered to easily increase slope and economically meet drainage needs.	Density: 1.0 - 3.0 pcf Compressive Strengths: 10-60 psi Thicknesses: 1/2" - 40" (tapered starts at 1/8") Sizes: Custom per job, up to 24' panels
InsulRoof SP Insulation	EPS with factory-laminated glass facer. Approved for mechanically attached single-ply roof systems, without needing a slip-sheet on non-combustible decks.	Density: 1.25 pcf Compressive Strengths: 13-18 psi Thicknesses: 1 1/2" - 7" Sizes: 4' x 4' or 4' x 8' panels
InsulRoof HD Composite Insulation	High-density polyiso factory bonded to EPS approved for single-ply roof and reroof applications.	EPS Density: 1.0 - 3.0 pcf Compressive Strengths: EPS 10-60 psi/ iso 100 psi Thicknesses: 1 1/2" - 7" Sizes: 4' x 4' or 4' x 8' panels
InsulLam Nail Base	High-performance EPS insulation factory laminated to standard cover boards (OSB, plywood, gypsum and other cover board). Available vented as InsulVent.	Compressive Strengths: EPS 10-60 psi, cover boards vary by type Thicknesses: 1 1/2" - 7" Sizes: 4' x 4' or 4' x 8' panels
1" R-Tech Recover Roof Insulation	Lightweight EPS insulation with factory-adhered advanced polymeric facers (white facer and metallic reflective face) for added durability. Maintains existing roof system's UL rating.	Compressive Strengths: 13-60 psi Thicknesses: 3/8" - 1" Sizes: 4' x 8' panels
InsulRoof FL (FLute-Fill) Metal Roof Insulation	Recover insulation for existing metal roof profiles. Available in taper, straight or custom-cut profiles.	Compressive Strengths: 10-60 psi Thicknesses: Available in virtually any job length/width Sizes: Custom cut to fit any metal roof system
R-Tech FF Fanfold Roof Underlayment	Lightweight EPS insulation with factory-adhered advanced polymeric facers (white facer and metallic reflective face) for added durability. Maintains existing roof system's UL rating.	Compressive Strengths: 10-60 psi Thicknesses: 3/8", 1/2", or 3/4" Sizes: 200 sq. ft. fanfold bundles
InsulRoof HB (Holey Board)	For use in lightweight concrete insulating systems, factory-applied holes enable insulation to be fully encapsulated in concrete, and usually serves as a primary insulation in a roof system.	Compressive Strengths: 10-60 psi Thicknesses: 3/4" - 20" Sizes: Typically available in 2' x 4' panels

