Roof Insulation Systems & Substitutions
Proven and tested insulation. Most R-value per dollar.

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<th>Insulation Need</th>
<th>Insulfoam Production</th>
<th>Savings</th>
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<td>R-Tech FF Fanfold Insulation</td>
<td>Up to $25 per square vs. other cover boards</td>
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<td>Recover applications requiring a 1&quot; separator board</td>
<td>1&quot; R-Tech Insulation</td>
<td>Up to $10 per square vs. 1&quot; Iso</td>
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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.
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

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<th>Products</th>
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| InsulRoof EPS: Flat & Tapered    | High-performing, superior, closed-cell, lightweight EPS insulation available flat or factory tapered to easily increase slope and economically meet drainage needs. | Density: 1.0 - 3.0pcf  
Compressive Strength: 10-60 psi  
Thicknesses: ¼” - 40” (tapered starts at ¼”)  
Sizes: Custom per job, up to 24’ panels |
| InsulSP 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: 1.25pcf  
Compressive Strength: 13-18 psi  
Thicknesses: 2¼” - 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 - 3.0pcf  
Compressive Strength: EPS 10-60 psi/iso 100 psi  
Thicknesses: ¼” - 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 Strength: EPS 10-60 psi, cover boards vary by type  
Thicknesses: 2¼” - 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 Strength: 13-60 psi  
Thicknesses: ½” - 3”  
Sizes: 4’ x 8’ panels |
| InsulRoof FL (F-Lute-Fill) Metal Roof Insulation | Recover insulation for existing metal roof profiles. Available in taper, straight or custom-cut profiles. | Compressive Strength: 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 Strength: 10-60 psi  
Thicknesses: ½”, ⅜”, or ⅝”  
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 Strength: 10-60 psi  
Thicknesses: ½” - 20”  
Sizes: Typically available in 2’ x 4’ panels |

**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 ¼” - 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 job sites and environmental impact