When considering options for a crawl space, Reflectix® Double Reflective Insulation is the easiest (to handle) choice available. It comes in convenient roll sizes that install clean and quickly. The product is dust and fiber-free, and does not require any protective garments or respirators to work with.

**PRODUCT DESCRIPTION**

The Reflectix® Double Reflective Insulation consists of two layers of highly reflective film (96% reflectivity) that are bonded to two tough layers of polyethylene. Two inner layers of insulating bubbles and a center layer of polyethylene provide this easy to handle product with high strength and reliability.

**REFLECTIX® DOUBLE REFLECTIVE INSULATION PART NUMBERS AND STOCK SIZES**

- HVST16050 (16” x 50’)
- HVST24050 (24” x 50’)
- HVST48050 (48” x 50’)
- HVST16100 (16” x 100’)
- HVST24100 (24” x 100’)
- HVST48100 (48” x 100’)
- HVST16125 (16” x 125’)
- HVST24125 (24” x 125’)
- HVST48125 (48” x 125’)

**BENEFITS**

- R-16 and fiber-free
- Costs less to install than alternative insulations
- Does not require protective clothing or respirators to install
- Resists growth of fungi, mold and mildew
- Does not promote nesting of insects or rodents
- Vapor / Radon retarder
- When properly installed, prevents ground moisture from causing dry rot
- ISO 9001:2015 Certified Manufacturing Location

**APPLICATIONS**

The Reflectix® Double Reflective Insulation is installed in crawl spaces (floor joists) as a standalone (R-16) or as an additional product to existing insulation.

### Double Reflective Technical Data:

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature Range</td>
<td>-60°F to 180°F</td>
</tr>
<tr>
<td>Nominal Thickness</td>
<td>5/16 inch (.312)</td>
</tr>
<tr>
<td>Weight</td>
<td>0.771 oz./sq. ft.</td>
</tr>
<tr>
<td>Flame Spread Index (ASTM E 84):</td>
<td>Less than 25</td>
</tr>
<tr>
<td>Smoke Developed Index (ASTM E 84):</td>
<td>Less than 50</td>
</tr>
<tr>
<td>Mounting Method (ASTM E 2599)</td>
<td></td>
</tr>
<tr>
<td>Fire Rating</td>
<td>Class A/Class 1</td>
</tr>
<tr>
<td>Linear Shrinkage</td>
<td>None</td>
</tr>
<tr>
<td>Reflectance (IR):</td>
<td>96%</td>
</tr>
<tr>
<td>Water Vapor Transmission (ASTM E 96):</td>
<td>0.02</td>
</tr>
<tr>
<td>Puncture Resistance</td>
<td>60 lb./in.</td>
</tr>
<tr>
<td>Mold and Mildew</td>
<td>No Growth</td>
</tr>
<tr>
<td>Emittance</td>
<td>0.04</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>3.7 N/mm</td>
</tr>
<tr>
<td>Pliability</td>
<td>No Cracking</td>
</tr>
<tr>
<td>Hot Surface Performance</td>
<td>Passed (250°F)</td>
</tr>
</tbody>
</table>

**Note:** Not for use in direct contact on surface temperatures that are 180°F or greater.
TESTING & CERTIFICATIONS

- Thermal Performance of Wall Systems ASTM C1363
- Thermal Performance of HVAC Duct System ASTM C335
- Thermal Performance of Crawl Space ASTM C1363
- Hot Surface Performance ASTM C411
- Heat Transfer (Heat Flow Up, Down, Horizontal) ASTM C1363
- Thermal Performance of Reflectix® and Fiberglass in Walls ASTM C1363
- Heat Transfer of Air-Handling Ducts with Reflectix®
- Flame Spread and Smoke Density ASTM E84
- Mounting Method ASTM E2599
- Fungus Resistance Mil-Std 810B Method 508
- Pliability Test ASTM C1224
- Sound Absorption Test ASTM C423 and ASTM E795
- Sound Transmission Loss ASTM E90 and ASTM E413
- Water Vapor Transmission ASTM E96
- Tensile Strength ASTM D751
- Emittance Testing ASTM C1371
- Thermal Performance of Water Heater Jackets
- Intertek: Surface Burning Characteristics of Building Materials ASTM E84 (Taped Joint Detail) Test Report # 3166908SAT-012
- Intertek: Surface Burning Characteristics of Building Materials ASTM E84 (Unslit) Test Report # 3166908SAT-011
- R&D Services: Resistance to the Growth of Fungi ASTM C1338 Test Report # RD072713FR
- State of California
- State of California Licensed Insulation Manufacturer
- State of Minnesota: Filed with Minnesota Insulation Standards Program
- State of Wisconsin: Wisconsin Material Approval, Safety and Buildings Division Approval # 920088-1
- R&D Services Emittance Testing
- R&D Services: Physical Properties Sheet Width, Length, Pliability, Water Vapor Permanence and Aged Water Vapor Permanence
- R&D Services: Water Vapor Transmission Test ASTM E96 (Dessicant Method)

MANUFACTURER’S SUGGESTED INSTALLATION INSTRUCTIONS

NOTE: Installation instructions and illustrated drawings are recommendations only, while proper local construction methods are the responsibility of the installer.

- Inspect the crawl space and make any needed repairs before installing the Reflectix® Double Reflective Insulation.
- Check the crawl space to determine whether the floor joists are 16” or 24” on-center.
- Determine if there are water pipes and heating ducts which hang below the floor joists. They will need to be insulated. Reflectix® Pipe Wrap and Duct Insulations are designed specifically for this use. There is no need to wrap water pipes or duct work that fall between floor joists. Reflectix® will provide adequate insulating without extra wrapping.
- Start at the end of the house and face staple to the bottom of the floor joists. Seal seams with Reflectix® Foil Tape to create a vapor barrier. At the end, staple up to the sub-floor or band board.
- Note: Existing mass insulation in the joist cavities must be dry prior to installing the Reflectix® product.