Distribution International provides a comprehensive range of industrial and commercial insulation products and accessories.

We partner with leading manufacturers that provide the latest in insulation technology, ensuring your projects are at the forefront of energy savings, life safety, indoor air quality, the green building trend and the LEED-certification building programs.
Contact your DI representative to request a quote!

**Insulation**

**Calcium Silicate**
- Flat and Scored Block
- Pipe Insulation
- Insulation Cement
- Fittings

Calcium silicate insulation is used for high-temperature pipes, equipment, and firestopping applications.

**Mineral Wool**
- Board Insulation
- Pipe Insulation
- Curtain Wall
- SAFB

Highly fire-resistant, mineral wool is widely effective for firestopping purposes. DI provides the top brands for this type of protection.

**Fiberglass**
- Pipe Insulation
- Board Insulation
- Elevated Temperature Blanket
- Duct Wrap
- Batt Insulation

A high surface-area-to-weight ratio makes fiberglass insulation a lightweight, cost-effective solution. Industrial applications include mechanical, HVAC, and metal building insulation.

**Needled Blanket**
- High Temperature Blankets

Composed of E-glass fibers, this material is effective in high-temperature situations such as hot industrial equipment insulation and engine exhaust.

**Spray Foam**
- Single-Component
- Double-Component

Single-component spray polyurethane foam is used to fill and seal small cracks and voids. Two-component applicators combine A and B components that expand rapidly to form solid foam, creating a spray pattern to control the application of foam to vertical or horizontal surfaces.

**Perlite**
- Block Insulation
- Pipe Insulation
- Fittings

Because of its non-corrosive properties and resistance to moisture, perlite protects pipes and equipment while providing excellent insulation. Browse our selection for thermal insulation, fire rating, and noise reduction purposes.

**Aerogel**
- Cryogel
- XTE
- Pyrogel XT

Superior-quality insulation for use in extreme temperatures — brought to you by DI. Aspen Aerogels® manufactures a diverse line of ASTM C1728-compliant insulation, including Cryogel (for cold work and cryogenic applications) and Pyrogel (for high-temperature use). Ask your local DI technician about using Aerogels in your application.

**Polystyrene**
- Sheets
- Block

Utilized for its exceptional ability to insulate against noise and extreme temperatures, this material is also effective in managing energy and moisture issues that can compromise the performance of walls.

**Polyisocyanurate**
- This closed cell rigid foam provides exceptional thermal insulation performance and is a cost effective solution in both the commercial and industrial sectors.

**PVC**
- Jacketing
- Fittings

Our selection of PVC fittings and jacketing systems includes several industry-leading manufacturers. These products are available in high-gloss white and standard colors for both indoor and outdoor use.

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Insulation continued

**Fabrics**
- Fiberglass Cloth
- Silicone Cloth
- Neoprene Cloth
- Canvas Cloth
- Teflon Cloth

From versatile fiberglass cloth to engineered wire mesh, DI’s wide assortment of fabrics and cloth offer the greatest benefits in insulating performance.

**Cellular Glass**
With a high compressive strength and water and fireproofing qualities, cellular glass is environmentally sustainable for use in commercial and industrial applications. This material can be fabricated to all shapes and sizes in our facilities.

**Aluminum and Stainless Steel**
- Cut and Curled Rolls
- Sheets

DI offers superior-quality metal jacketing along with banding and fittings for use in a broad range of commercial or industrial applications.

**Tapes**
- ASJ
- Double Sided Tape
- Duct Tape
- FSK
- Filament Tape
- Foil Tape
- Fiberglass Tape
- PVC Tape
- Self Sealing Tape
- Vinyl Tape

**Insulation Tools & Accessories**
- Brushes
- Calipers
- Insulation Cement
- Insulation Fasteners
- Insulation Toolkits
- Knives
- Staple Guns and Staples
- Strapping Tools
- Support and Saddles
- Welders

**Rubber and Polyolefin**
- Pipe Insulation
- Sheet Insulation

Rubber insulation is designed for the HVAC and Refrigeration industry. This insulation is highly recommended for condensation control due to its excellent moisture vapor resistance and thermal conductivity. Applications include refrigerant lines, coldwater plumbing and chilled-water systems.

**Adhesives, Coatings, Sealants/Caulks**
Complete any industrial or commercial insulation job with DI’s wide selection of application accessories: adhesives, mastics, coatings, sealants and more.

**We offer these brands and more:**
- 3M
- Aeroflex
- Armacell
- Aspen Aerogels
- Certainteed
- Childers
- DOW
- Foster
- Ideal
- IIG
- ITW
- Johns Manville
- K-Flex
- Knauf
- Midwest Fastener
- Owens Corning
- Proto
- Roxul
- RPR

**Note:** This catalog does not represent our full array of product offerings. Please call us for the complete line of safety products available.

Contact your DI representative to request a quote!

www.distributioninternational.com
# Insulation Formula Card

<table>
<thead>
<tr>
<th>Product Description</th>
<th>K Factor @75 °F</th>
<th>R Value per 1&quot; Thickness</th>
<th>Normal Density Lb/Cu Ft</th>
<th>Flame Spread</th>
<th>Smoke Developed</th>
<th>Compressive Strength</th>
<th>Temperature Range (°F) Low</th>
<th>High</th>
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</thead>
<tbody>
<tr>
<td>Calcium Silicate P/C</td>
<td>.41 @ 200°</td>
<td>2.44 @ 200°</td>
<td>14.5</td>
<td>0</td>
<td>0</td>
<td>&gt; 100 PSI</td>
<td>ambient to +1200</td>
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<tr>
<td>Elastomeric Sheet &amp; Tube</td>
<td>.25</td>
<td>4.0</td>
<td>3-6</td>
<td>25-1.5&quot; &amp; under</td>
<td>50-1.5&quot; &amp; under</td>
<td>n/a</td>
<td>-297 to +220</td>
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<tr>
<td>Fiberglass P/C</td>
<td>.23</td>
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<td>3</td>
<td>&lt; 25</td>
<td>&lt; 50</td>
<td>n/a</td>
<td>0 to +650</td>
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<tr>
<td>Foamglas P/C</td>
<td>.29</td>
<td>3.45</td>
<td>7.5</td>
<td>0</td>
<td>0</td>
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<td>-450 to +900</td>
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<tr>
<td>Phenolic Foam P/C</td>
<td>.13</td>
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<td>25</td>
<td>50</td>
<td>17.5-20 PSI</td>
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<tr>
<td>Mineral Wool P/C</td>
<td>.23</td>
<td>4.35</td>
<td>8</td>
<td>5</td>
<td>0</td>
<td>n/a</td>
<td>-120 to +1200</td>
<td></td>
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<tr>
<td>Perlite P/C</td>
<td>.47 @ 100°</td>
<td>2.13 @ 100°</td>
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<td>0</td>
<td>80 PSI</td>
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<td>Polyethylene P/C</td>
<td>.25</td>
<td>4.0</td>
<td>n/a</td>
<td>25 ≤ 1&quot; TK</td>
<td>50 ≤ 1&quot; TK</td>
<td>n/a</td>
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<tr>
<td>Polyisocyanurate P/C (Trymer 2000)</td>
<td>.19</td>
<td>5.3</td>
<td>2.05</td>
<td>≤ 25</td>
<td>≤ 450</td>
<td>25-30 PSI</td>
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<td>Polyisocyanurate P/C (Trymer 6000)</td>
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<td>5.0</td>
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<td>25</td>
<td>165 up to 6&quot; TK</td>
<td>130-140 PSI</td>
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<td>Polystyrene P/C</td>
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<td>3.86</td>
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<td>5</td>
<td>165 up to 4&quot; TK</td>
<td>20 PSI</td>
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<tr>
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<td>3.7</td>
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<td>not rated</td>
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<tr>
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<td>6</td>
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<td>not rated</td>
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<td>Temptmat 1&quot; Thick</td>
<td>.40 @ 300°</td>
<td>2.5 @ 300°</td>
<td>11</td>
<td>0</td>
<td>0</td>
<td>n/a</td>
<td>up to +1200</td>
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<tr>
<td>fiberglass Duct Wrap .75#</td>
<td>.30</td>
<td>3.4</td>
<td>0.75</td>
<td>25</td>
<td>50</td>
<td>n/a</td>
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<td>3.7</td>
<td>1.0</td>
<td>25</td>
<td>50</td>
<td>n/a</td>
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<td>25</td>
<td>50</td>
<td>n/a</td>
<td>40 to +250</td>
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<tr>
<td>Aspen Aerogel Cryogel</td>
<td>13.8 @ 32°</td>
<td>n/a</td>
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<td>&lt; 5</td>
<td>20</td>
<td>25 PSI @ 25% strain</td>
<td>-328 to +194</td>
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<tr>
<td>Aspen Aerogel Pyrogel XT</td>
<td>.16 @ 212°</td>
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<td>0</td>
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<td>2.4</td>
<td>25</td>
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<td>up to +1000</td>
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<tr>
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<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>up to +2300</td>
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<td>4.17</td>
<td>1.5</td>
<td>25</td>
<td>50</td>
<td>n/a</td>
<td>0 to +450</td>
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<td>3</td>
<td>25</td>
<td>50</td>
<td>25# / ft² @ 10%</td>
<td>0 to +450</td>
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<tr>
<td>fiberglass Board 6.0#</td>
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<td>4.35</td>
<td>6</td>
<td>25</td>
<td>50</td>
<td>200# / ft² @ 10%</td>
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<tr>
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<td>4.17</td>
<td>4</td>
<td>5</td>
<td>0</td>
<td>25# / ft²</td>
<td>up to +1200</td>
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<td>4.35</td>
<td>6</td>
<td>5</td>
<td>0</td>
<td>75# / ft²</td>
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<tr>
<td>Mineral Wool Board 8.0#</td>
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<td>4.35</td>
<td>8</td>
<td>5</td>
<td>0</td>
<td>120# / ft²</td>
<td>up to +1200</td>
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<td>5</td>
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<td>250# / ft²</td>
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<tr>
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<td>12</td>
<td>5</td>
<td>0</td>
<td>250# / ft²</td>
<td>up to +1200</td>
<td></td>
</tr>
<tr>
<td>Calcium Silicate Block</td>
<td>.41 @ 200°</td>
<td>2.44 @ 200°</td>
<td>14.5</td>
<td>0</td>
<td>0</td>
<td>&gt; 100 PSI</td>
<td>ambient to +1200</td>
<td></td>
</tr>
<tr>
<td>Foamglas Block</td>
<td>.29</td>
<td>3.45</td>
<td>7.5</td>
<td>0</td>
<td>0</td>
<td>90 PSI</td>
<td>-450 to +900</td>
<td></td>
</tr>
<tr>
<td>Perlite Block</td>
<td>.47 @ 100°</td>
<td>2.13 @ 100°</td>
<td>13</td>
<td>0</td>
<td>0</td>
<td>80 PSI</td>
<td>ambient to +1200</td>
<td></td>
</tr>
<tr>
<td>Phenolic Foam Board</td>
<td>.15</td>
<td>8.67</td>
<td>2.5</td>
<td>≤ 25</td>
<td>≤ 50</td>
<td>17.5-29 PSI</td>
<td>-290 to +250</td>
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<tr>
<td>Polyisocyanurate Board 2.0#</td>
<td>.19</td>
<td>5.26</td>
<td>2.05</td>
<td>≤ 25</td>
<td>≤ 450</td>
<td>25-30 PSI</td>
<td>-297 to +300</td>
<td></td>
</tr>
<tr>
<td>Styrofoam Panel Core</td>
<td>.20</td>
<td>5.0</td>
<td>1.5</td>
<td>5</td>
<td>165</td>
<td>20 PSI</td>
<td>max 165</td>
<td></td>
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<tr>
<td>Thermax Board</td>
<td>.153</td>
<td>6.5</td>
<td>2.0</td>
<td>≤ 25</td>
<td>≤ 450</td>
<td>25 PSI</td>
<td>-100 to +250</td>
<td></td>
</tr>
</tbody>
</table>

Formulas for calculating R, C & U factors on flat surfaces

\[
R = \frac{\text{Thickness}}{K} \\
C = K \times \frac{\text{Thickness}}{}
\]

Actual pipe covering R values must be calculated with equivalent thickness calculation.

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