**Thermo-1200™**

*Calcium Silicate Pipe & Block Insulation*

Thermo-1200™ is a water-resistant, molded, high-temperature, abuse-resistant pipe and block insulation composed of hydrous calcium silicate. Recommended for use in the industrial processing and power generation industries. Integral to Thermo-1200™ is XOX Corrosion Inhibitor®, a distinctive formula and process that actively inhibits corrosion to outside surfaces of pipe and equipment.

Operating Temperature Limit: 1200°F (650°C)

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**InsulThin® HT**

*Hydrophobic Microporous Blanket Insulation*

InsulThin HT is a high-temperature, hydrophobic, thin, flexible, microporous blanket insulation. Microporous insulation is a highly efficient insulation material and has been in service in a variety of industrial and commercial insulation applications for more than 35 years.

Operating Temperature Limit: 1200°F (650°C)

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**Available Shapes and Sizes**

**Form**

- Pipe Insulation
- Quad Segments
- Hex Pipe Covering
- Curved Segments
- Beveled Lags
- Flat Block

**Pipe Size in/mm**

- ¼ - 24 / 15-600
- 20-37 / 500-925
- 38-52 / 950-1300
- 30-126 / 700-3200
- 30 min / 750 min
- 126 min / 3200 min
- Flat Surface

**Thickness in/mm**

- 1-3 / 25-76
- 1 ½ - 3 / 38-76
- 1 ½ / 4 / 38-102

**THERMAL PERFORMANCE**

**ASTM C335 (PIPE)**

<table>
<thead>
<tr>
<th>Mean Temp. (°F / °C)</th>
<th>Btu/in(hrs. ft². °F) W/m²°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>100°F / 38°C</td>
<td>0.344 / 0.050</td>
</tr>
<tr>
<td>200°F / 93°C</td>
<td>0.389 / 0.056</td>
</tr>
<tr>
<td>300°F / 149°C</td>
<td>0.437 / 0.063</td>
</tr>
<tr>
<td>400°F / 204°C</td>
<td>0.486 / 0.070</td>
</tr>
<tr>
<td>500°F / 260°C</td>
<td>0.538 / 0.078</td>
</tr>
<tr>
<td>600°F / 316°C</td>
<td>0.591 / 0.085</td>
</tr>
<tr>
<td>700°F / 371°C</td>
<td>0.647 / 0.093</td>
</tr>
</tbody>
</table>

**ASTM C518 (FLAT)**

<table>
<thead>
<tr>
<th>Mean Temp. (°F / °C)</th>
<th>Btu/in(hrs. ft². °F) W/m²°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>100°F / 38°C</td>
<td>3.55 / 0.51</td>
</tr>
<tr>
<td>200°F / 93°C</td>
<td>3.73 / 0.54</td>
</tr>
<tr>
<td>300°F / 149°C</td>
<td>3.97 / 0.57</td>
</tr>
<tr>
<td>400°F / 204°C</td>
<td>4.28 / 0.62</td>
</tr>
<tr>
<td>500°F / 260°C</td>
<td>4.65 / 0.67</td>
</tr>
<tr>
<td>600°F / 316°C</td>
<td>5.09 / 0.59</td>
</tr>
<tr>
<td>700°F / 371°C</td>
<td>5.59 / 0.81</td>
</tr>
</tbody>
</table>

**SPECIFICATION COMPLIANCE**

- ASTM C333 Type I Material Specification – Passes
- ASTM C1617 Corrosion – Passes
- ASTM C610 Material Specification – Passes
- ASTM C1617 Corrosion – Passes
- ASTM C665 Corrosivity to Steel – Passes
- ASTM C1617 Corrosion – Passes
- ASTM C795 / C871 / C692 Corrosion Austenitic Stainless Steel – Passes
- ASTM C1617 Corrosion – Passes
- ASTM C795 / C871 / C692 Corrosion Austenitic Stainless Steel – Passes
- ASTM C1617 Corrosion – Passes
- ASTM E136 Non-Combustible – Passes

For more information, refer to product data sheet IND-200

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**Sproule-1200™**

*Expanded Perlite Pipe & Block Insulation*

Sproule-1200™ is a preformed, high-temperature, non-wicking pipe and block insulation composed of expanded perlite that is uniformly reinforced with a high-strength fiber. Integral to Sproule-1200™ is XOX Corrosion Inhibitor®, a distinctive formula and process that actively inhibits corrosion to outside surfaces of pipe and equipment.

Operating Temperature Limit: 1200°F (650°C)

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**Available Shapes and Sizes**

**Form**

- Pipe Insulation
- Scored or V-Grooved Block
- Flat Block

**Pipe Size in/mm**

- ½ - 24 / 15-600
- 24 - 40 / 600-1000
- 30 min / 750 min
- Flat Surface

**Thickness in/mm**

- 1-4 / 25-102
- 1 ½-3 / 38-76
- 1 ½-4 / 38-102
- 1-4 / 25-102

**THERMAL PERFORMANCE**

**ASTM C335 (PIPE)**

<table>
<thead>
<tr>
<th>Mean Temp. (°F / °C)</th>
<th>Btu/in(hrs. ft². °F) W/m²°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>100°F / 38°C</td>
<td>0.412 / 0.059</td>
</tr>
<tr>
<td>200°F / 93°C</td>
<td>0.481 / 0.069</td>
</tr>
<tr>
<td>300°F / 149°C</td>
<td>0.548 / 0.079</td>
</tr>
<tr>
<td>400°F / 204°C</td>
<td>0.611 / 0.088</td>
</tr>
<tr>
<td>500°F / 260°C</td>
<td>0.671 / 0.097</td>
</tr>
<tr>
<td>600°F / 316°C</td>
<td>0.729 / 0.105</td>
</tr>
<tr>
<td>700°F / 371°C</td>
<td>0.782 / 0.113</td>
</tr>
</tbody>
</table>

**ASTM C518 (FLAT)**

<table>
<thead>
<tr>
<th>Mean Temp. (°F / °C)</th>
<th>Btu/in(hrs. ft². °F) W/m²°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>100°F / 38°C</td>
<td>0.439 / 0.063</td>
</tr>
<tr>
<td>200°F / 93°C</td>
<td>0.478 / 0.069</td>
</tr>
<tr>
<td>300°F / 149°C</td>
<td>0.515 / 0.074</td>
</tr>
<tr>
<td>400°F / 204°C</td>
<td>0.557 / 0.080</td>
</tr>
<tr>
<td>500°F / 260°C</td>
<td>0.601 / 0.087</td>
</tr>
<tr>
<td>600°F / 316°C</td>
<td>0.646 / 0.093</td>
</tr>
<tr>
<td>700°F / 371°C</td>
<td>0.694 / 0.100</td>
</tr>
</tbody>
</table>

**SPECIFICATION COMPLIANCE**

- ASTM C810 Material Specification – Passes
- ASTM C1617 Corrosion – Passes
- ASTM C795 / C201 / C692 Corrosion Austenitic Stainless Steel – Passes
- ASTM C1617 Corrosion – Passes
- ASTM E136 Non-Combustible – Passes

For more information, refer to product data sheet IND-200

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**InsulThin HT**

*Hydrophobic Microporous Blanket Insulation*

InsulThin HT is a high-temperature, hydrophobic, thin, flexible, microporous blanket insulation. Microporous insulation is a highly efficient insulation material and has been in service in a variety of industrial and commercial insulation applications for more than 35 years.

Operating Temperature Limit: 1200°F (650°C)

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**Available Shapes and Sizes**

**Roll Size**

- 36” Wide
- 60” Wide

**Roll Weight**

- 45lbs
- 75lbs

**Dimensions**

- 10mm x 36” x 25”
- 10mm x 60” x 25”
- 5mm x 36” x 50”
- 5mm x 60” x 50”

**THERMAL PERFORMANCE**

<table>
<thead>
<tr>
<th>Mean Temperature (°F / °C)</th>
<th>Btu/in(hrs. ft². °F) W/m²°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>100°F / 38°C</td>
<td>0.198 / 0.027</td>
</tr>
<tr>
<td>200°F / 93°C</td>
<td>0.195 / 0.028</td>
</tr>
<tr>
<td>400°F / 204°C</td>
<td>0.213 / 0.031</td>
</tr>
<tr>
<td>600°F / 316°C</td>
<td>0.237 / 0.034</td>
</tr>
</tbody>
</table>

**SPECIFICATION COMPLIANCE**

- ASTM C1676 Material Specification – Passes
- ASTM C1617 Corrosion – Passes
- ASTM C665 Corrosivity to Steel – Passes
- ASTM C795 / C201 / C692 Corrosion Austenitic Stainless Steel – Passes
- ASTM E84 Surface Burning Characteristics – Flame Spread-0, Smoke Developed-0

For more information, refer to product data sheet IND-700
MinWool-1200® Field-Formed Pipe
Mineral Wool Insulation

MinWool-1200® Field-Formed Pipe is made of inorganic fibers derived from basalt, a volcanic rock. It is made with a thermosetting resin binder. Field-Formed Pipe insulation is a factory "V-grooved" mineral wool board with a unique contact adhesive in the grooves. It is manufactured to specific pipe sizes with a variety of facing options. It ships flat and allows for easy forming at the job site.

Operating Temperature Limit: 1200°F (650°C)

### AVAILABLE SHAPES AND SIZES

<table>
<thead>
<tr>
<th>Form</th>
<th>Pipe Size in/mm</th>
<th>Thickness in/mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>One Piece</td>
<td>½ - 6 / 15-152</td>
<td>1-8 / 25-152</td>
</tr>
<tr>
<td>Two Piece</td>
<td>7-24 / 175-600</td>
<td>1-6 / 25-152</td>
</tr>
<tr>
<td>Four Piece</td>
<td>25-44 / 625-1100</td>
<td>(½” increments)</td>
</tr>
</tbody>
</table>

### THERMAL PERFORMANCE

<table>
<thead>
<tr>
<th>Mean Temperature</th>
<th>Btu/in/(hr . ft² . °F)</th>
<th>W/m°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>100°F / 38°C</td>
<td>0.25</td>
<td>0.033</td>
</tr>
<tr>
<td>200°F / 93°C</td>
<td>0.28</td>
<td>0.040</td>
</tr>
<tr>
<td>400°F / 204°C</td>
<td>0.40</td>
<td>0.058</td>
</tr>
<tr>
<td>600°F / 316°C</td>
<td>0.56</td>
<td>0.081</td>
</tr>
</tbody>
</table>

### SPECIFICATION COMPLIANCE

ASTM C547 Material Specification Types III – Passes
ASTM C665 Corrosion to Steel – Passes
BS EN 13472 Short-Term Water Absorption

For more information, refer to product data sheet IND-420

MinWool-1200® Preformed Pipe
Mineral Wool Insulation

MinWool-1200 Preformed (PF) Pipe insulation is made of inorganic fibers derived from basalt, a volcanic rock. It is made with a thermosetting resin binder. PF Pipe insulation is a factory “V-grooved” mineral wool board that is formed to specific pipe sizes and provided in half cylinder sections with a variety of facing options.

Operating Temperature Limit: 1200°F (650°C)

### AVAILABLE SHAPES AND SIZES

<table>
<thead>
<tr>
<th>Form</th>
<th>Standard Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Layer</td>
<td>1-4” thick</td>
</tr>
<tr>
<td>Double Layer</td>
<td>Over 4” thick in ½” increments</td>
</tr>
</tbody>
</table>

### THERMAL PERFORMANCE

<table>
<thead>
<tr>
<th>Mean Temperature</th>
<th>Btu/in/(hr . ft² . °F)</th>
<th>W/m°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>100°F / 38°C</td>
<td>0.25</td>
<td>0.036</td>
</tr>
<tr>
<td>200°F / 93°C</td>
<td>0.30</td>
<td>0.044</td>
</tr>
<tr>
<td>400°F / 204°C</td>
<td>0.44</td>
<td>0.064</td>
</tr>
<tr>
<td>600°F / 316°C</td>
<td>0.62</td>
<td>0.090</td>
</tr>
</tbody>
</table>

### SPECIFICATION COMPLIANCE

ASTM C547 Material Specification Types III – Passes
ASTM C795 / C871 / C692 Corrosion Austenitic Stainless Steel – Passes
ASTM E84 Surface Burning Characteristics – Flame Spread - 25, Smoke Developed - 50 or less

For more information, refer to product data sheet IND-423

MinWool-1200® Field-Formed Pipe
Mineral Wool Insulation

MinWool-1200 Field-Formed Pipe insulation is made of inorganic fibers derived from basalt, a volcanic rock. It is made with a thermosetting resin binder. Field-Formed Pipe insulation is a factory “V-grooved” mineral wool board with a unique contact adhesive in the grooves. It is manufactured to specific pipe sizes with a variety of facing options. It ships flat and allows for easy forming at the job site.

Operating Temperature Limit: 1200°F (650°C)

### AVAILABLE SHAPES AND SIZES

<table>
<thead>
<tr>
<th>Form</th>
<th>Standard Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Layer</td>
<td>1½-4” thick</td>
</tr>
<tr>
<td>Two Layer</td>
<td>Over 4” thick in ½” increments</td>
</tr>
</tbody>
</table>

### THERMAL PERFORMANCE

<table>
<thead>
<tr>
<th>Mean Temperature</th>
<th>Btu/in/(hr . ft² . °F)</th>
<th>W/m°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>100°F / 38°C</td>
<td>0.25</td>
<td>0.036</td>
</tr>
<tr>
<td>200°F / 93°C</td>
<td>0.30</td>
<td>0.044</td>
</tr>
<tr>
<td>400°F / 204°C</td>
<td>0.44</td>
<td>0.064</td>
</tr>
<tr>
<td>600°F / 316°C</td>
<td>0.62</td>
<td>0.090</td>
</tr>
</tbody>
</table>

### SPECIFICATION COMPLIANCE

ASTM C547 Material Specification Types III – Passes
ASTM C795 / C871 / C692 Corrosion Austenitic Stainless Steel – Passes
ASTM E84 Surface Burning Characteristics – Flame Spread - 25, Smoke Developed - 50 or less

For more information, refer to product data sheet IND-420
**MinWool-1200® Precision Cut**
Mineral Wool Insulation

MinWool-1200 Precision Cut (PC) Pipe insulation is made of inorganic fibers derived from basalt, a volcanic rock. It is made with thermosetting resin binder. PC Pipe insulation (without adhesive) is a factory “V-grooved” mineral wool board manufactured to specific pipe or vessel sizes with a variety of facing options. It ships flat in 4 mil plastic and allows easy forming at the job site. Operating Temperature Limit: 1200°F (650°C)

**AVAILABLE SHAPES AND SIZES**
- **Standard Thickness**
  - Single Layer: 1-4” thick
  - Double Layer: Over 4” thick in ½” increments
- **Sizes Available**
  - Sizes ½” - 2” are supplied with no facing
  - Sizes 2½” and above are supplied with a fiberglass mat facing
  - Other facings available include: ASJ and FSK

**THERMAL PERFORMANCE**
<table>
<thead>
<tr>
<th>Mean Temperature</th>
<th>Btu/(hr · ft² · °F)</th>
<th>W/m°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>100°F / 38°C</td>
<td>0.25</td>
<td>0.036</td>
</tr>
<tr>
<td>200°F / 93°C</td>
<td>0.30</td>
<td>0.044</td>
</tr>
<tr>
<td>400°F / 204°C</td>
<td>0.44</td>
<td>0.064</td>
</tr>
<tr>
<td>600°F / 316°C</td>
<td>0.62</td>
<td>0.090</td>
</tr>
</tbody>
</table>

**SPECIFICATION COMPLIANCE**
- ASTM C547 Material Specification Types III – Passes
- ASTM C795 / C871 / C692 Corrosion Austenitic Stainless Steel – Passes
- ASTM E84 Surface Burning Characteristics – Flame Spread - 25, Smoke Developed - 50 or less

For more information, refer to product data sheet IND-422

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**MinWool-1200® Pipe & Tank Wrap**
Mineral Wool Insulation

MinWool-1200 Pipe & Tank Wrap insulation is made of inorganic fibers derived from basalt, a volcanic rock. It is made with a thermosetting resin binder. Advanced manufacturing technology ensures consistent product quality, with high fiber density and low shot content, for excellent performance in high-temperature, thermal control and fire-resistant applications. Operating Temperature Limit: 1200°F (650°C)

**AVAILABLE SHAPES AND SIZES**
- **Roll Length ft/m**
  - 18 / 5.5
  - 16 / 4.9
  - 14 / 4.3
  - 12 / 3.7
  - 10 / 3.1
  - 8 / 2.4
- **Width in/m**
  - 48 / 1.22
- **Thickness in/mm**
  - 1½ / 40
  - 2 / 50
  - 2½ / 65
  - 3 / 75
  - 3½ / 90
  - 4 / 100

**THERMAL PERFORMANCE**
<table>
<thead>
<tr>
<th>Mean Temperature</th>
<th>Btu/(hr · ft² · °F)</th>
<th>W/m°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>100°F / 38°C</td>
<td>0.23</td>
<td>0.033</td>
</tr>
<tr>
<td>200°F / 93°C</td>
<td>0.28</td>
<td>0.040</td>
</tr>
<tr>
<td>400°F / 204°C</td>
<td>0.40</td>
<td>0.058</td>
</tr>
<tr>
<td>600°F / 316°C</td>
<td>0.56</td>
<td>0.081</td>
</tr>
</tbody>
</table>

**SPECIFICATION COMPLIANCE**
- ASTM C985 Corrosivity to Steel – Passes
- ASTM C795 / C871 / C992 Corrosion Austenitic Stainless Steel – Passes
- ASTM E84 Surface Burning Characteristics – Flame Spread - 25, Smoke Developed - 50 or less
- ASTM E136 Non-Combustible – Passes (mineral wool only)

For more information, refer to product data sheet IND-415

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**MinWool-1200® Lamella Tank Wrap**
Mineral Wool Insulation

MinWool-1200 Lamella Tank Wrap is a flexible mineral wool wrap insulation. It is a lightweight, high-performance insulation for high-temperature applications. This insulation is produced to fit large diameter pipe, duct, tanks and equipment, ranging in temperatures from below ambient up to 1000°F continuous maximum service temperature. Operating Temperature Limit: 1200°F (650°C)

**AVAILABLE SHAPES AND SIZES**
- **Standard Thickness**
  - Single Layer: 1-4” thick
- **Facings Available**
  - Standard is fiberglass mat
  - Available with ASJ

**THERMAL PERFORMANCE**
<table>
<thead>
<tr>
<th>Mean Temperature</th>
<th>Btu/(hr · ft² · °F)</th>
<th>W/m°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>100°F / 38°C</td>
<td>0.29</td>
<td>0.042</td>
</tr>
<tr>
<td>200°F / 93°C</td>
<td>0.36</td>
<td>0.052</td>
</tr>
<tr>
<td>400°F / 204°C</td>
<td>0.54</td>
<td>0.078</td>
</tr>
<tr>
<td>600°F / 316°C</td>
<td>0.82</td>
<td>0.118</td>
</tr>
</tbody>
</table>

**SPECIFICATION COMPLIANCE**
- ASTM C1393 Material Specification / Complies
- ASTM C795 / C871 / C992 Corrosion Austenitic Stainless Steel – Passes
- ASTM E84 Surface Burning Characteristics – Flame Spread - 25, Smoke Developed - 50 or less
- ASTM E136 Non-Combustible – Passes (mineral wool only)

For more information, refer to product data sheet IND-424
MinWool-1200® Industrial Board
Mineral Wool Insulation

MinWool-1200 Industrial Board insulation is made of inorganic fibers derived from basalt, a volcanic rock. It is made with a thermosetting resin binder. Advanced manufacturing technology ensures consistent product quality, with high fiber density and low shot content, for excellent performance in high-temperature, thermal control and fire-resistant applications.

Operating Temperature Limit: 1200°F (650°C)

MinWool-1200® Flex Batt
Mineral Wool Insulation

MinWool-1200 Flexible Batt insulation is made of inorganic fibers derived from basalt, a volcanic rock. It is made with a thermosetting resin binder. Advanced manufacturing technology ensures consistent product quality, with high fiber density and low shot content, for excellent performance in high-temperature, thermal control and fire-resistant applications.

Operating Temperature Limit: 1200°F (650°C)

MinWool-1200® Metal Mesh Blanket
Mineral Wool Insulation

MinWool-1200 Metal Mesh Blanket (MMB) insulation is made of inorganic fibers derived from basalt, a volcanic rock, with a thermosetting resin binder. MMB is a mineral wool blanket available with a variety of metal mesh options mechanically applied to one or both surfaces.

Operating Temperature Limit: 1200°F (650°C)

### AVAILABLE SHAPES AND SIZES

#### MinWool-1200® Metal Mesh Blanket

**Nominal Densities (lb/ft³/kg/m³)**
- 1240 (4 / 48)
- 1260 (6 / 96)
- 1280 (8 / 128)
- 1210 (10 / 160)
- 1212 (12 / 192)

**Sizes in/mm**
- 24 x 48 / 610 x 1219
- 36 x 48 / 914 x 1219

**Thicknesses in/mm**
- 1"-4 / 25"-102

**THERMAL PERFORMANCE**

<table>
<thead>
<tr>
<th>Mean Temperature</th>
<th>Btu.in/(hr . ft² . °F)</th>
<th>W/m²°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>100°F / 38°C</td>
<td>0.25</td>
<td>0.036</td>
</tr>
<tr>
<td>200°F / 93°C</td>
<td>0.30</td>
<td>0.043</td>
</tr>
<tr>
<td>400°F / 204°C</td>
<td>0.42</td>
<td>0.061</td>
</tr>
<tr>
<td>600°F / 316°C</td>
<td>0.56</td>
<td>0.081</td>
</tr>
</tbody>
</table>

**SPECIFICATION COMPLIANCE**

- ASTM C612 Material Specification – Complies
- ASTM C665 Corrosivity to Steel – Passes
- ASTM C795 / C871 / C692 Corrosion Austenitic Stainless Steel – Passes
- ASTM E136 Non-Combustible – Passes

*Thermal Performance listed for 1280 density only - for other densities and more information, refer to product data sheet IND-406

1" thickness available in 8#, 10# and 12# densities only

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### AVAILABLE SHAPES AND SIZES

#### MinWool-1200® Industrial Board

**Nominal Densities (lb/ft³/kg/m³)**
- 1240 (4 / 48)
- 1260 (6 / 96)
- 1280 (8 / 128)
- 1210 (10 / 160)
- 1212 (12 / 192)

**Sizes in/mm**
- 24 x 48 / 610 x 1219
- 36 x 48 / 914 x 1219

**Thicknesses in/mm**
- 1"-4 / 25"-102

**THERMAL PERFORMANCE**

<table>
<thead>
<tr>
<th>Mean Temperature</th>
<th>Btu.in/(hr . ft² . °F)</th>
<th>W/m²°C</th>
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<tbody>
<tr>
<td>100°F / 38°C</td>
<td>0.25</td>
<td>0.036</td>
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<tr>
<td>200°F / 93°C</td>
<td>0.30</td>
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<tr>
<td>400°F / 204°C</td>
<td>0.42</td>
<td>0.061</td>
</tr>
<tr>
<td>600°F / 316°C</td>
<td>0.56</td>
<td>0.081</td>
</tr>
</tbody>
</table>

**SPECIFICATION COMPLIANCE**

- ASTM C612 Material Specification – Complies
- ASTM C665 Corrosivity to Steel – Passes
- ASTM C795 / C871 / C692 Corrosion Austenitic Stainless Steel – Passes
- ASTM E136 Non-Combustible – Passes

*Thermal Performance listed for 1280 density only - for other densities and more information, refer to product data sheet IND-406

1" thickness available in 8#, 10# and 12# densities only

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### AVAILABLE SHAPES AND SIZES

#### MinWool-1200® Flex Batt

**Nominal Densities (lb/ft³/kg/m³)**
- 1240 (4 / 48)
- 1260 (6 / 96)
- 1280 (8 / 128)
- 1210 (10 / 160)
- 1212 (12 / 192)

**Sizes in/mm**
- 24 x 48 / 610 x 1219
- 36 x 48 / 914 x 1219

**Thicknesses in/mm**
- 1"-4 / 25"-102

**THERMAL PERFORMANCE**

<table>
<thead>
<tr>
<th>Mean Temperature</th>
<th>Btu.in/(hr . ft² . °F)</th>
<th>W/m²°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>100°F / 38°C</td>
<td>0.25</td>
<td>0.036</td>
</tr>
<tr>
<td>200°F / 93°C</td>
<td>0.30</td>
<td>0.043</td>
</tr>
<tr>
<td>400°F / 204°C</td>
<td>0.42</td>
<td>0.061</td>
</tr>
<tr>
<td>600°F / 316°C</td>
<td>0.56</td>
<td>0.081</td>
</tr>
</tbody>
</table>

**SPECIFICATION COMPLIANCE**

- ASTM C612 Material Specification – Complies
- ASTM C665 Corrosivity to Steel – Passes
- ASTM C795 / C871 / C692 Corrosion Austenitic Stainless Steel – Passes
- ASTM E136 Non-Combustible – Passes

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1" thickness available in 8#, 10# and 12# densities only

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MinWool-1200® Mitered Fittings
Mineral Wool Insulation

MinWool-1200 Mitered Fittings are made of inorganic fibers derived from basalt, a volcanic rock. It is made with thermosetting resin binder. These mitered and bonded fittings are for standard short and long radius and non-standard radius sweep elbows found in normal piping schemes. Fittings are manufactured from MinWool-1200 Preformed Pipe Insulation and mitered into precision segments.

Operating Temperature Limit: 1200°F (650°C)

Super Caltemp® Gold 1700
Calcium Silicate Pipe & Block Insulation

Super Caltemp Gold 1700 block is an inorganic, non-combustible, high-temperature insulation that is composed primarily of hydrous calcium silicate. The insulation is tailored for systems operating up to 1700°F (927°C). Super Caltemp Gold 1700 meets or exceeds the physical and thermal property requirements of ASTM C533, Type II.

Operating Temperature Limit: 1700°F (927°C)

Super Firetemp®
High-Temperature Insulation

Super Firetemp boards are inorganic, high-temperature boards with exceptional strength and insulating qualities, produced in various densities. Super Firetemp boards are suitable for fire protection applications, refractory backup, and can be machined into component parts of many shapes and sizes.

Continuous Temperature Limit: Varies by product type

### AVAILABILITY TYPES AND SIZES

<table>
<thead>
<tr>
<th>Types</th>
<th>Board Dimensions</th>
<th>Thickness in/mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Super Firetemp L</td>
<td>4 ft x 8 ft</td>
<td>4&quot; - 3 / 13 - 76</td>
</tr>
<tr>
<td>Super Firetemp M</td>
<td>4 ft x 8 ft</td>
<td>½ - 3 / 13 - 76</td>
</tr>
<tr>
<td>Super Firetemp H</td>
<td>4 ft x 8 ft</td>
<td>½ - 2 / 13 - 51</td>
</tr>
<tr>
<td>Super Firetemp X</td>
<td>4 ft x 8 ft</td>
<td>½ - 2 / 13 - 51</td>
</tr>
<tr>
<td>Super Firetemp S</td>
<td>4 ft x 8 ft</td>
<td>½&quot; increments</td>
</tr>
</tbody>
</table>

### AVAILABLE DENSITIES

<table>
<thead>
<tr>
<th>Type</th>
<th>Density (Avg.)</th>
<th>ASTM C656</th>
</tr>
</thead>
<tbody>
<tr>
<td>Super Firetemp L</td>
<td>20 pcf (288 kg / m³)</td>
<td>Type II, Grade 5</td>
</tr>
<tr>
<td>Super Firetemp M</td>
<td>28 pcf (449 kg / m³)</td>
<td>Type II, Grade 6</td>
</tr>
<tr>
<td>Super Firetemp H</td>
<td>35 pcf (561 kg / m³)</td>
<td>Type II, Grade 6</td>
</tr>
<tr>
<td>Super Firetemp X</td>
<td>40 pcf (641 kg / m³)</td>
<td>Type II, Grade 7</td>
</tr>
<tr>
<td>Super Firetemp S</td>
<td>55 pcf (861 kg / m³)</td>
<td>Type II, Grade 8</td>
</tr>
</tbody>
</table>

### SPECIFICATION COMPLIANCE

ASTM C533 Type II Material Specification – Passes
ASTM C789 / C871 / C692 Corrosion Austenitic Stainless Steel – Passes
ASTM E136 Non-Combustible – Passes

For more information, refer to product data sheets: IND-105(L), IND-104(M), IND-105(H), IND-108(X), IND-107(S)
Developed as a high-quality protective coating, Insulkote ET is a compound of selected and processed bitumens and mineral fillers. It is recommended for weather-protecting insulated vessels, tanks, piping, equipment and duct work. Insulkote ET is a non-vapor barrier, weather-proof coating for use over thermal insulation where “breathing” is required.

For more information, refer to product data sheet IND-10

CalBond Gold is a modified, silicate-based glue for thermal insulations. It sets quickly to provide a high-temperature bond for porous insulating materials. CalBond Gold is useful for bonding sections of calcium silicate or perlite high-temperature pipe or block insulation and to make mitered elbows, large insulating sections or other special shapes.

For more information, refer to product data sheet IND-11

CalCoat-127 is a proprietary blend of hydraulic cement, calcium silicate and inorganic mineral fibers with corrosion inhibitors that provides a smooth finish over high-temperature insulation. CalCoat-127 is recommended for finishing use with calcium silicate or perlite insulation in high-temperature piping and equipment applications.

For more information, refer to product data sheet IND-13

Super Calstik is a modified, silicate-based glue. It sets quickly to provide a high-temperature bond for porous insulating materials. Super Calstik is used for bonding and sealing joints in Super Firetemp® high-temperature insulation. It is used in walls, structural steel, cable trays and other fire-rated applications.

For more information refer, to product data sheet IND-108
Technical specifications as shown in this literature are intended to be used as general guidelines only. Please refer to the Safety Data Sheet and product label prior to using this product. The physical and chemical properties of the products listed herein represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Any references to numerical flame spread or smoke developed ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions. Check with the Regional Sales Office nearest you for current information.

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