Check for current availability.

High-Performance Fiber Glass Pipe Insulation

MicroLoK® HP
High-Performance Fiber Glass Pipe Insulation. MicroLoK® insulation is designed for use on commercial, power or process lines.

Mean Temperature of High-Performance Fiber Glass Insulation Insert

Pipe & Equipment Insulations

Zeston® 2000 PVC
Insulated Fitting Covers and Jacketing

Zeston® 500 Series PVC
Insulated Fitting Covers and Jacketing for Industrial Use

These MicroLoK® HP insulating cort and jacketing are constructed to the same high standards as our standard MicroLoK® insulation. These units meet the requirements of the ULC and FEMA approved for flood, hurricane, wind and pressure related facilities.

Operating Temperature Limit

Pipe: 0°F to 850°F (-18°C to +454°C)

CT: 0°F to 150°F (-18°C to +66°C)

These heavy-duty PVC insulated fitting covers and jacketing are specifically designed for industrial and institutional pipe applications.

Operating Temperature Limit

Pipe: 0°F to 850°F (-18°C to +454°C)

CT: 0°F to 150°F (-18°C to +66°C)

These units are available in white only. Zeston installation accessories include:

- Insert: 0°F to 450°F (-18°C to +232°C)
- PVC: 0°F to 150°F (-18°C to +66°C)

Zeston insulation installation accessories include:

- Perma-Weld® solvent welding system adhesive
- Zeston® 300 Series heavy gauge PVC fitting covers
- Zeston® 300 Series heavy gauge is available in 3-Foot (0.92 m) Sections
- This construction is engineered to accommodate a variety of other fittings, flanges, reducers, end caps, soil pipe hubs, traps and mechanical line accessories
- Zeston® 300 Series heavy gauge PVC fitting covers and jacketing are specifically designed for industrial and institutional pipe applications.

Operating Temperature Limit

Pipe: 0°F to 850°F (-18°C to +454°C)

CT: 0°F to 150°F (-18°C to +66°C)

Thermal Conductivity of Hi-Lo® Temp Fiber Glass Insulation Insert

<table>
<thead>
<tr>
<th>Temperature</th>
<th>Conductivity (W/m·°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>75°F (24°C)</td>
<td>0.49 to 0.52</td>
</tr>
<tr>
<td>125°F (51°C)</td>
<td>0.45 to 0.48</td>
</tr>
<tr>
<td>150°F (66°C)</td>
<td>0.41 to 0.44</td>
</tr>
<tr>
<td>200°F (93°C)</td>
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</tr>
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</tr>
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Thermal Conductivity of MicroLoK® HP Insulation

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Pipe & Equipment Insulations

Product Selector Guide

Pipe & Equipment Insulations

Zeston® 2000 PVC
Insulated Fitting Covers and Jacketing

Zeston® 500 Series PVC
Insulated Fitting Covers and Jacketing for Industrial Use

These units are available in white only. Zeston installation accessories include:

- Insert: 0°F to 450°F (-18°C to +232°C)
- PVC: 0°F to 150°F (-18°C to +66°C)

Zeston insulation installation accessories include:

- Perma-Weld® solvent welding system adhesive
- Zeston® 300 Series heavy gauge PVC fitting covers
- Zeston® 300 Series heavy gauge is available in 3-Foot (0.92 m) Sections
- This construction is engineered to accommodate a variety of other fittings, flanges, reducers, end caps, soil pipe hubs, traps and mechanical line accessories
- Zeston® 300 Series heavy gauge PVC fitting covers and jacketing are specifically designed for industrial and institutional pipe applications.

Operating Temperature Limit

Pipe: 0°F to 850°F (-18°C to +454°C)

CT: 0°F to 150°F (-18°C to +66°C)

These heavy-duty PVC insulated fitting covers and jacketing are specifically designed for industrial and institutional pipe applications.

Operating Temperature Limit

Pipe: 0°F to 850°F (-18°C to +454°C)

CT: 0°F to 150°F (-18°C to +66°C)

Thermal Conductivity of Hi-Lo® Temp Fiber Glass Insulation Insert

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Thermal Conductivity of MicroLoK® HP Insulation

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Pipe & Equipment Insulations

Product Selector Guide

Pipe & Equipment Insulations

Zeston® 2000 PVC
Insulated Fitting Covers and Jacketing

Zeston® 500 Series PVC
Insulated Fitting Covers and Jacketing for Industrial Use

These units are available in white only. Zeston installation accessories include:

- Insert: 0°F to 450°F (-18°C to +232°C)
- PVC: 0°F to 150°F (-18°C to +66°C)

Zeston insulation installation accessories include:

- Perma-Weld® solvent welding system adhesive
- Zeston® 300 Series heavy gauge PVC fitting covers
- Zeston® 300 Series heavy gauge is available in 3-Foot (0.92 m) Sections
- This construction is engineered to accommodate a variety of other fittings, flanges, reducers, end caps, soil pipe hubs, traps and mechanical line accessories
- Zeston® 300 Series heavy gauge PVC fitting covers and jacketing are specifically designed for industrial and institutional pipe applications.

Operating Temperature Limit

Pipe: 0°F to 850°F (-18°C to +454°C)

CT: 0°F to 150°F (-18°C to +66°C)

These heavy-duty PVC insulated fitting covers and jacketing are specifically designed for industrial and institutional pipe applications.

Operating Temperature Limit

Pipe: 0°F to 850°F (-18°C to +454°C)

CT: 0°F to 150°F (-18°C to +66°C)
**PERFORMANCE CHARACTERISTICS**

**AVAILABILITY**

**SPECIFICATION COMPLIANCE**

**Fiber Glass Duct and Equipment Insulation**

**Type pcf**

Applications:
- Use on equipment in commercial and industrial HVAC, power and process conditioning and process equipment.
- Insulating precipitators, ducts and breechings in such as pipes, tanks, ducts and vessels.
- Designed for insulating irregular surfaces.
- For use on equipment in commercial and industrial heating, air conditioning, and process equipment.
- A semi-rigid board used for insulating furnaces, power generation plants.
- A semi-rigid board specifically designed for insulating precipitators, ducts and breechings in power generation plants.
- A high-temperature insulating blanket specifically designed for applications where it will remain in service at extended high temperatures.
- Unique flexible insulations give it extended life at high temperatures.

**FHC 25/50, NFPA 90A and 90B**

**ASTM E84, UL 723, NFPA 255**

**MIL-I-24244C**

**CGSB 51-GP-11M**

**NRC 1.36**

**Mean Temperature**

**Thickness**

<table>
<thead>
<tr>
<th>Type</th>
<th>Thickness Width</th>
<th>Thickness Length</th>
<th>Thickness Density Thickness</th>
<th>Thickness Thickness</th>
<th>Thickness Thickness</th>
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<tbody>
<tr>
<td>805</td>
<td>0.23* 0.033**</td>
<td>0.23* 0.033**</td>
<td>3 in mm</td>
<td>1219, 2438</td>
<td>1219, 2438</td>
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<tr>
<td>806</td>
<td>0.23* 0.033**</td>
<td>0.23* 0.033**</td>
<td>3 in mm</td>
<td>1219, 2438</td>
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<tr>
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<td>0.23* 0.033**</td>
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</table>

**High Temp. Limit**

<table>
<thead>
<tr>
<th>Type</th>
<th>Temperature °F °C</th>
<th>Temperature °F °C</th>
<th>Temperature °F °C</th>
<th>Temperature °F °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>805</td>
<td>850 454</td>
<td>850 454</td>
<td>850 454</td>
<td>850 454</td>
</tr>
<tr>
<td>806</td>
<td>812 432</td>
<td>812 432</td>
<td>812 432</td>
<td>812 432</td>
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<tr>
<td>807</td>
<td>815 439</td>
<td>815 439</td>
<td>815 439</td>
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</table>

**Performance Summary**

<table>
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<tr>
<th>Type</th>
<th>High Temp.</th>
<th>Length</th>
<th>Thickness</th>
<th>Density</th>
<th>Thickness</th>
<th>Thickness</th>
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<tbody>
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<td>805</td>
<td>850 454</td>
<td>48</td>
<td>3 in mm</td>
<td>1219</td>
<td>1219</td>
<td></td>
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<td>806</td>
<td>812 432</td>
<td>48</td>
<td>3 in mm</td>
<td>1219</td>
<td>1219</td>
<td></td>
</tr>
<tr>
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<td>815 439</td>
<td>48</td>
<td>3 in mm</td>
<td>1219</td>
<td>1219</td>
<td></td>
</tr>
</tbody>
</table>

**Fabrication Board**

**Spin-Glas®**

**Precipitator Spin-Glas (Boards)**

**Precipitator Spin-Glas (Boards)**

**1-4 1/2” inc.)**

**1000 Series Spin-Glas®**

**Environmental Quality**

**Formaldehyde-free™**

**Moisture Control**

**Thermal**

**Acoustical**

**Fire Resistance**

**formulation for improved indoor environmental quality**

**specJM.com**
**Icon Key**

- **Thermal**
- **Acoustical**
- **Fire Resistance**
- **Moisture Control**
- **Formaldehyde-free™**

**DESCRIPTION**

- **Fiber Glass Duct and Equipment Insulation**
  - **Type 75°F 24°C**
  - Applications: for use on equipment in commercial and industrial heating, air conditioning, and process equipment.
  - **Operational Temperature Limit**: 817°F (436°C)
  - **Btu•in/(hr•ft•°F)**: 0.36
  - **W/m•°C**: 0.23

- **Fabrication Board**
  - **Type 150 1½ 38**
  - **Type 100 1½ 38**
  - **Type 80 1½ 38**
  - **Type 85 2 51**
  - **Type 86 2 51**
  - **Type 87 2 51**
  - **Type 3008 0.23**
  - **Type 3008 3.0**
  - **Operating Temperature Limit**: 850°F (454°C)
  - **Btu•in/(hr•ft•°F)**: 0.36
  - **W/m•°C**: 0.23

- **Spin-Glas®**
  - **HTB 26**
  - **Microlite XG™**
  - **MicroFlex™**

**SPECIALIZATION CODE CHARTS**

For more information, visit us at specJM.com.
**THERMAL PERFORMANCE – INSTALLED**

<table>
<thead>
<tr>
<th>Type</th>
<th>Width*</th>
<th>Thickness*</th>
<th>R-VALUE @ 75˚F (24˚C) MEAN TEMP.</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>1½</td>
<td>38</td>
<td>2 51 6.3 1.11</td>
</tr>
<tr>
<td>150</td>
<td>3</td>
<td>76</td>
<td>150 2 51 6.0 1.06</td>
</tr>
<tr>
<td>150</td>
<td>1½</td>
<td>38</td>
<td>150 1½ 38 4.7 0.83</td>
</tr>
<tr>
<td>300</td>
<td>1½</td>
<td>38</td>
<td>100 1½ 38 4.5 0.79</td>
</tr>
<tr>
<td>300</td>
<td>3</td>
<td>76</td>
<td>100 3 76 8.3 1.46</td>
</tr>
</tbody>
</table>

**Notes:**
- *Available in 1½ and 3 in increments.
- "Type" refers to the type of facing used: AP Facing, FSK Facing, or Precipitator Facing.
- Type II – AP Facing, Type I – AP Facing (812 Only)
- Type II – FSK Facing (813, 814, 815, 817)
High-Performance Fiber Glass Pipe Insulation

Microlok® HP

A high-performance, pipe-oven grade performance fiber glass insulation. Microlok® HP insulation is designed for use on commercial, power or process lines.

Operating Temperature Limit:

°F to 650°F (-18°C to +343°C)

Pipe & Equipment Insulations

Zeston® 3000 PVC

Insulated Fitting Covers and Jacketing

These PVC fitting covers and jacketing, when combined with Microlok fiber glass pipe insulation, meet the requirements of the USGS and FDA approvals for Sanitary, sewage and pharmaceutical facilities.

Operating Temperature Limit:

°F to 160°F (-27°C to +71°C)

Zeston® 500 Series PVC

Fitting Covers and Jacketing

These heavy-duty PVC insulated fitting covers and jacketing are designed specifically for commercial, industrial and institutional pipe applications.

Operating Temperature Limit:

°F to 150°F (-18°C to +66°C)

Microlok®

A rigid, preformed, one-piece, high-performance fiber glass pipe insulation.

Microlok® HP is certified and evaluated, when combined with Microlok fiber glass pipe insulation, to meet the requirements of the USGS and FDA approvals for Sanitary, sewage and pharmaceutical facilities.

Operating Temperature Limit:

°F to 650°F (-18°C to +343°C)

Pipe & Equipment Insulations

 ASTM D1784, Class 16354-C

Pipe Insulation:

0°F to 850°F (-18°C to +454°C)

Zeston® Insulated Fitting Covers and Jacketing

These PVC fitting covers and jacketing, when combined with Microlok fiber glass pipe insulation, meet the requirements of the USGS and FDA approvals for Sanitary, sewage and pharmaceutical facilities.

Operating Temperature Limit:

°F to 160°F (-27°C to +71°C)

ASTM C795

ASTM C1136

ASTM C585

ASTM C547, Type I

Pipe Insulation:

0°F to 850°F (-18°C to +454°C)

Operating Temperature Limit:

°F to 650°F (-18°C to +343°C)

Zeston® Insulated Fitting Covers and Jacketing

These heavy-duty PVC insulated fitting covers and jacketing are designed for use on commercial, power or process lines.

Operating Temperature Limit:

°F to 150°F (-18°C to +66°C)

Operating Temperature Limit:

°F to 160°F (-27°C to +71°C)

Pipe Insulation:

0°F to 850°F (-18°C to +454°C)

Operating Temperature Limit:

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Operating Temperature Limit:

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Pipe Insulation:

0°F to 850°F (-18°C to +454°C)

Operating Temperature Limit:

°F to 650°F (-18°C to +343°C)

Pipe Insulation:
Micro-Lok® EHP
High-Performance Fiber Glass Pipe Insulation

A high-performance, all-pipe, high
grade, insulating fiber glass pipe insulation. Micro-Lok® insulation is designed for use on commercial, power or process lines.

Operating Temperature Limit:
°F (-18°C to +454°C)

Penn-FIT® Flexible Insulation Fitting Covers and Jacketing

These flexible fitting covers and jacketing, when combined, form a completely sealed system, which meets the requirements of the USCG and FDA for food, beverage and pharmaceutical facilities.

Operating Temperature Limit:
°F (-18°C to +232°C)

Zeston® 2000 PVC
Flexible Fitting Covers and Jacketing

Flanged, dual-wall coverage is available in white or in other colors. Zeston® PVC is designed for use in cold water and steam systems. Zeston® 300 Series heavy gauge is available in a traditional one-piece fitting cover.

Operating Temperature Limit:
PVC: 0°F to 150°F (-18°C to +66°C)

Zeston® 500 Series PVC
Flexible Fitting Covers and Jacketing for Industrial Use

This construction is engineered to accommodate a variety of other fittings, flanges, reducers, end caps, soil pipe hubs, traps and mechanical line accessories complete a systems package, which meets the requirements of the USDA, Agriculture Canada, BOCA, SBCCI, CAN/ULC S102-M88, CGSB 51-GP-53M, BOCA, ICBO, BOCA, LGCI, and USDA, Agriculture Canada.

Operating Temperature Limit:
°F (-18°C to +66°C)

Three-piece fitting covers and jacketing, when combined, form a completely sealed system, which meets the requirements of the USCG and FDA for food, beverage and pharmaceutical facilities.

Operating Temperature Limit:
°F (-18°C to +232°C)

Fitting covers, rolls and Cut & Curled™ jacketing are available both in white and colors. Made from the same rugged, pliable PVC material, Zeston® PVC jacketing is designed to match the Zeston® 2000 PVC fitting covers. These heavy-duty PVC insulated fitting covers and jacketing, when combined, form a completely sealed system, which meets the requirements of the USDA, Agriculture Canada, BOCA, SBCCI, CAN/ULC S102-M88, CGSB 51-GP-53M, BOCA, ICBO, BOCA, LGCI, and USDA, Agriculture Canada.

Operating Temperature Limit:
PVC: 0°F to 150°F (-18°C to +66°C)

Zeston® 300 Series PVC
Flexible Fitting Covers and Jacketing

Made from the same rugged, pliable PVC material, Zeston® PVC jacketing is designed to match the Zeston® 2000 PVC fitting covers. These heavy-duty PVC insulated fitting covers and jacketing, when combined, form a completely sealed system, which meets the requirements of the USDA, Agriculture Canada, BOCA, SBCCI, CAN/ULC S102-M88, CGSB 51-GP-53M, BOCA, ICBO, BOCA, LGCI, and USDA, Agriculture Canada.

Operating Temperature Limit:
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