Basalt Insulation in rigid and semi-rigid board form manufactured to ASTM C 612 Types I through IVB. Industrial Board provides superior thermal, acoustical and personnel protection performance for boilers, precipitators, ducts and mechanical equipment operating at temperatures from subambient to 1,200°F (649°C).

Fibrex mineral insulation products are manufactured using state of the art patented technology to produce industrial use boards with superior handleability. The material is clean, easily fabricated and quickly installed.

**FEATURES**
- Superior thermal conductivity
- Wide range of service temperatures
- Low in-service shrinkage; 0% @ 1,050°F (551°C)
- Lightweight
- Applicator friendly
- Good compressive strength
- Non-wicking
- Easy to fabricate
- Less dusty

**BENEFITS**
- Maximum prevention of heat loss
- Continuous service, subambient to 1,200°F (649°C)
- Less potential for gaps forming at joints from elevated operating temperatures
- Saves installation time and cost
- Less irritating
- Less jacket damage
- Allows temporary outdoor storage at jobsite
- Cuts easily with a knife; no sawing required
- Cleaner to handle; minimizes cleanup time and expense

**GENERAL INFORMATION**

Standard sizes:
- lengths
  - 48" (1,219mm)
  - 24" (610mm)
- widths
  - 24" (610mm)
- Standard thicknesses:
  - 1" to 5" in 1/2" increments (25mm to 127mm in 13mm increments)
- Facings:
  - FSK available on request
- Service temperatures:
  - Continuous use to 1,200°F (649°C); phased heatup not required
- Linear shrinkage:
  - 0% @ 1,050°F (556°C); <1% @1,200°F (649°C)
- Recovery after 10% compression:
  - 100%
- Moisture adsorption:
  - <1%; inorganic, will not mildew
- Asbestos:
  - None
- Corrosion:
  - Does not promote or contribute to
- Combustibility:
  - Non-combustible
- Chemistry:
  - Mean chemistry data available on request
- Surface burning characteristics:
  - Flame spread: 5
  - Smoke developed: 0

(Unfaced)
FBX INDUSTRIAL BOARD INSULATIONS

SPECIFICATION COMPLIANCE
Manufactured, tested and certified in compliance with all the standards and specifications listed below. Data and evidence available upon request.

- ASTM C 612, Type I - IV B
- ASTM C 795
- ASTM E 84
- ASTM E 136
- UL 723
- NRC 1.36
- USCG 164.009
- CAN/CGSB - 51-10-92
- CAN4-S102
- CAN4-S114M
- HH-I-558B

RECOMMENDED THICKNESS
Fibrex can provide a confidential computer analysis of every insulation requirement based on calculations performed to the method described in ASTM C 680.

NOTE: Advance notification must be provided if lot testing is required.

THERMAL PERFORMANCE
(No. C 177 test method):

<table>
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<th>°F</th>
<th>100</th>
<th>200</th>
<th>300</th>
<th>400</th>
<th>500</th>
<th>600</th>
<th>700</th>
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<tbody>
<tr>
<td>°C</td>
<td>38</td>
<td>93</td>
<td>149</td>
<td>204</td>
<td>260</td>
<td>316</td>
<td>371</td>
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<tr>
<td>1.00</td>
<td>.90</td>
<td>.80</td>
<td>.70</td>
<td>.60</td>
<td>.50</td>
<td>.40</td>
<td>.30</td>
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<tr>
<td>BTU/hr ft² °F</td>
<td>.144</td>
<td>.130</td>
<td>.115</td>
<td>.101</td>
<td>.087</td>
<td>.072</td>
<td>.058</td>
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<tr>
<td>W/m•°C</td>
<td>1240</td>
<td>1260</td>
<td>1280</td>
<td>1210</td>
<td>1212</td>
<td>1210</td>
<td>1212</td>
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</table>

ACOUSTICAL PROPERTIES
Tested per ASTM C423 & 795

<table>
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<tr>
<th>TYPE</th>
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<th>125</th>
<th>1000</th>
<th>2000</th>
<th>4000</th>
<th>NRC</th>
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<tbody>
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<td>FBX 1280</td>
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<td>1.08</td>
<td>1.04</td>
<td>1.07</td>
<td>0.95</td>
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<tr>
<td>1.5</td>
<td>.13</td>
<td>1.08</td>
<td>1.04</td>
<td>1.07</td>
<td>0.95</td>
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<tr>
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<td>.32</td>
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<td>1.01</td>
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<tr>
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<td>0.98</td>
<td>1.01</td>
<td>1.00</td>
<td>0.95</td>
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<tr>
<td>4.0</td>
<td>1.11</td>
<td>1.03</td>
<td>1.06</td>
<td>1.07</td>
<td>1.00</td>
<td></td>
</tr>
</tbody>
</table>

| FBX 1260 |/.15 | 1.08 | 1.03 | 1.07 | 0.95 |
| 1.5    | .18 | 1.08 | 1.03 | 1.07 | 0.95 |
| 2.0    | .25 | 1.10 | 1.04 | 1.06 | 1.05 |
| 3.0    | .80 | 1.09 | 1.06 | 1.07 | 1.05 |
| 4.0    | 1.11| 1.03 | 1.06 | 1.07 | 1.05 |

| FBX 1240 |/.15 | 1.08 | 1.02 | 1.01 | 0.90 |
| 1.5    | .13 | 1.08 | 1.02 | 1.01 | 0.90 |
| 2.0    | .20 | 1.06 | 1.04 | 1.07 | 0.95 |
| 3.0    | .49 | 1.09 | 1.06 | 1.04 | 1.05 |
| 4.0    | 0.88| 1.08 | 1.06 | 1.10 | 1.10 |
| 6.0    | 1.32| 1.09 | 1.06 | 1.07 | 1.10 |

The light weight of Industrial Board makes it easy to install. It fabricates easily and cleanly with minimal cleanup.