DESCRIPTION

Incombustible Microlite insulation is specifically developed as a thermal and acoustical blanket for use in marine applications. Produced from fine glass fibers and bonded with a thermo-setting resin, it is lightweight, highly resilient and has nonsettling characteristics.

ADVANTAGES

High Thermal Performance. The extremely low conductivity of Incombustible Microlite assures optimum operating efficiency of shipboard heating and air conditioning systems.

Fire Safety. Incombustible Microlite is Coast Guard/IMO Approved 164.109/38/0 as an incombustible material. It also meets the requirements of NFPA 90A and 90B Standards, and has an FHC flame spread of less than 25 and a smoke developed rating of less than 50 per ASTM E 84.

Noise Control. Incombustible Microlite has excellent sound absorption characteristics to reduce the level of unwanted noise.

Faster Installation. Incombustible Microlite is easily cut and installs with a minimum of effort.

Superior Performance. Properly installed Incombustible Microlite will remain unaffected by age and temperature change.

GOVERNMENT CERTIFICATION

When ordering material to comply with any government, ASTM or listed specification, a statement of that fact must appear on the purchase order. Government regulations and other listed specifications require specific lot testing and prohibit certification of compliance after shipment has been made. There may be additional charges associated with specification compliance testing.

THERMAL CONDUCTIVITY *(k)*

<table>
<thead>
<tr>
<th>Mean Temp.</th>
<th>75°F</th>
<th>24°C</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>.29*</td>
<td>.042**</td>
</tr>
</tbody>
</table>

Conductivity per ASTM C 518: *Btu•in/(hr•ft²•°F); **W/m•°C

Operating Temperature Limit: 400°F (204°C)

SPECIFICATION COMPLIANCE

Coast Guard/IMO Approved 164.109/38/0
MIL-DTL-32585
MIL-I-742
ASTM C 411 (up to 400°F [204°C])
ASTM E 84
  - Flame Spread – Not exceeding 25
  - Smoke Developed – Not exceeding 50
NFPA 90A and 90B Standards
ASTM C 1139 Types I & II, Grade 1
  (Replaces MIL-I-22023, Types I & II, Class 2)
ASTM C 356
ASTM C 553 Types I & II
ASTM C 1304
ASTM C 1338
ASTM C 665 – Corrosion test
  - Capillarity – Negligible (after 24 hours)
*MIL-DTL-24244D, NRC 1.36, ASTM C 795

*When ordering material to comply with MIL-I-24244, ASTM C795, or NRC 1.36 a statement of that fact must appear on the purchase order. Specific lot testing will be conducted and a certification of compliance can be provided.

RECYCLED CONTENT
### SOUND ABSORPTION COEFFICIENTS – ASTM C 423 (TYPE "A" MOUNTING)

<table>
<thead>
<tr>
<th>Density (pcf)</th>
<th>Thickness (in.)</th>
<th>Facing</th>
<th>Sound Absorption Coefficient at Frequency (Cycles per Second) of:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>125</td>
</tr>
<tr>
<td>0.75</td>
<td>12</td>
<td>½</td>
<td>13</td>
</tr>
<tr>
<td>0.75</td>
<td>12</td>
<td>1</td>
<td>25</td>
</tr>
<tr>
<td>0.75</td>
<td>12</td>
<td>2</td>
<td>51</td>
</tr>
<tr>
<td>0.75</td>
<td>12</td>
<td>2½</td>
<td>64</td>
</tr>
</tbody>
</table>

*Additional widths available on a Special Product Price Inquiry (SPPI) basis.

### STANDARD SIZES

**STANDARD WIDTH: 48" (1219 MM)**

<table>
<thead>
<tr>
<th>Density (pcf)</th>
<th>Thickness (in.)</th>
<th>Width (in.)</th>
<th>Roll Length (ft.)</th>
<th>Roll Length (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.75</td>
<td>12</td>
<td>1½</td>
<td>38</td>
<td>48</td>
</tr>
<tr>
<td>0.75</td>
<td>12</td>
<td>2</td>
<td>51</td>
<td>48</td>
</tr>
<tr>
<td>0.75</td>
<td>12</td>
<td>2½</td>
<td>64</td>
<td>48</td>
</tr>
<tr>
<td>0.75</td>
<td>12</td>
<td>3</td>
<td>76</td>
<td>48</td>
</tr>
</tbody>
</table>

Note: 3½" to 6" (89 mm to 152 mm) thicknesses available on a Special Product Price Inquiry (SPPI) basis.

### ISO 9000 CERTIFICATION

Johns Manville mechanical insulation products are designed, manufactured and tested in our own facilities, which are certified and registered to stringent ISO 9000 (ANSI/ASQC 90) series quality standards. This certification, along with regular, independent third-party auditing for compliance, is your assurance that Johns Manville products deliver consistent high quality.

---

**North American Sales Offices, Insulation Systems**

**Eastern Region and Canada**

P.O. Box 158
Defiance, OH 43512
800-334-2399
Fax: 419-784-7866

**Western Region**

P.O. Box 5108
Denver, CO 80217
800-368-4431
Fax: 303-978-4661

---

© 2018 Johns Manville. All Rights Reserved.