ALUMINUM ROLL JACKETING WITH POLYFILM MB (PFMB)

PRODUCT DESCRIPTION
Ideal Products Aluminum Roll Jacketing with Polyfilm Moisture Barrier (PFMB) is produced from 3003 and 3105 series aluminum, meeting ASTM B-209 standards. The interior of this product is lined with a factory applied 3 mil thick co-extruded Polyethylene film for a superior moisture barrier. This film is laminated to the aluminum sheet by a process of heat and pressure while the exterior is with a bare aluminum mill finish.

PRODUCT APPLICATION
Ideal Products Aluminum Roll Jacketing with PFMB is manufactured to be used in various cladding applications particular to mechanical insulation systems. The metal can be cut and rolled to fit around straight pipe, bends, and vessels, or fabricated into various other cladding applications like beveled collars, endcaps, and gored peels including tank heads. Ideal Products Aluminum Roll Jacketing with PFMB is the standard choice for protecting the insulation and underlying pipe or tank from weather elements, including water, and physical damage. When oxidation is a concern, higher emittance is required, or the system is exposed to corrosive ambient conditions, Ideal Products Painted aluminum or SST jacketing should be used. To select the correct or best suited type of cladding for your application, please refer to Ideal Products metal jacketing application guidelines, or ASTM C1729.

PHYSICAL PROPERTIES
FINISHES
SMOOTH PLAIN MILL | STUCCO EMBOSSED | CROSS CRIMP

COLORS
A large variety of colored exterior finishes can be added to Aluminum Roll Jacketing for desired preferences or to reach specific emissivity levels. Please refer to Ideal Products standard color chart below for reference. Other colors are available upon request.

MATERIAL SPECIFICATIONS
ALLOYS 3003, 3105
TEMPERS H12, H14, H24
THICKNESSES 0.016", 0.020", 0.024", 0.032", 0.040"
MOISTURE BARRIERS Factory applied co-extruded 3 mil Polyethylene Film
MELTING POINT 660 °C (1220 °F)
ASTM E84 Flame Spread/Smoke Development 25/50 or less
ASTM C1371 Surface Emittance Bare oxidized in-service: 0.1

RECOMMENDED APPLICATION THICKNESSES
ALUMINUM PIPE JACKETING min. thickness

<table>
<thead>
<tr>
<th>OUTER INSULATION DIAMETER (in)</th>
<th>MIN. ALLOWABLE THICKNESS (in)</th>
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<tbody>
<tr>
<td></td>
<td>RIGID Insulation</td>
</tr>
<tr>
<td>≤ 8</td>
<td>0.016</td>
</tr>
<tr>
<td>over 8 – 11</td>
<td>0.016</td>
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<tr>
<td>over 11 – 24</td>
<td>0.016</td>
</tr>
<tr>
<td>over 24 – 36</td>
<td>0.020</td>
</tr>
<tr>
<td>over 36</td>
<td>0.024</td>
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*as per ASTM C1729

Color chips shown are standard colors and may not represent an exact match, painted metal samples and custom colors are available upon request.

Safer. Smarter. Faster.