CalBond Gold

CalBond Gold is a low VOC modified, silicate-based glue for thermal insulations. It sets quickly to provide a high-temperature bond for porous insulating materials. CalBond Gold is asbestos free.

**THE ADVANTAGES**

Easy to use, sets quickly.

Excellent adhesion strength to calcium silicate insulation, the glue line joint will outlast the insulation itself.

**APPLICATIONS**

CalBond Gold is useful for bonding sections of calcium silicate or perlite high-temperature pipe or block insulation, to make mitered elbows, large insulating sections or other special shapes.

**AVAILABLE FORMS AND SIZES**

CalBond Gold is available in:
1, 2, and 5 gallon (3.8, 7.6 and 18.9 liter) pails and 55 gallon (208 liter) drums.

**WET PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>12 lbs./gal. (1.44 kgs./liter), avg</td>
</tr>
<tr>
<td>Solids by Weight</td>
<td>62%, avg</td>
</tr>
<tr>
<td>pH</td>
<td>12.8</td>
</tr>
<tr>
<td>Wet Coverage</td>
<td>1/8&quot; thick, 25 sq. ft./gallon (1.6 mm, 0.61 m²/liter)</td>
</tr>
<tr>
<td></td>
<td>1/32&quot; thick, 50 sq. ft./gallon (0.8 mm, 1.23 m²/liter)</td>
</tr>
</tbody>
</table>

**DRYING TIME ON CALCIUM SILICATE INSULATION**

<table>
<thead>
<tr>
<th>Time Point</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Set</td>
<td>15 Seconds</td>
</tr>
<tr>
<td>Handle</td>
<td>5 Minutes</td>
</tr>
<tr>
<td>Thorough Dry</td>
<td>1½ Hours</td>
</tr>
<tr>
<td>Minimum Application Temp. for Thorough Dry</td>
<td>35°F (2°C)</td>
</tr>
</tbody>
</table>

**SPECIFICATION COMPLIANCE**

- ASTM C447 Max Service Temp. Passes
- ASTM C665 Corrosivity to Steel Passes
- ASTM C795/C871/C692 Passes
- ASTM E136 Non Combustible Passes
- Mil-I-24244 Passes
- Reg Guide 1.36 Passes
- EPA Test for VOC <5%

**PHYSICAL PROPERTIES**

- Shore “C” Hardness 24 Hour Cure 65 Minimum
- Elongation – 10-Day Cure 2%
- Shrinkage – 10-Day Cure 1%
- Tensile Strength 3000 psi (20,685 kPa)
- Adhesion to Calcium Silicate Insulation Insulation Fails Before Glue Line Joint

**CHEMICAL RESISTANCE**

- Non-Aqueous Solvents Excellent with Aromatic, Aliphatic and Oxygenated Solvents
- Mineral Acids Salt Formation and Loss of Bond Strength
- Water – Cold Softens Upon Lengthy Submersion
- Water – Hot Softens Upon Continuous Contact

Please visit our website at www.jm.com/industrial

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When ordering material to comply with any government specification or any other 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 the certification of compliance after shipment has been made. There may be additional charges associated with specification compliance testing. Please refer to IND-CSP-3 for Certification Procedures and Charges. Call customer service for more information.

Industrial Insulation Group Products are designed, manufactured and tested to strict quality standards in our own facilities. This along with third party auditing is your assurance that this product delivers consistent high quality.

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**PRODUCT CERTIFICATION**

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**QUALITY STATEMENT**

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**CUSTOMER SERVICE**

**TECHNICAL & GENERAL INFORMATION**

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