SermeTel® Blue is a multilayer corrosion-resistant coating. The base coat consists of aluminum particles that are embedded in a phosphate-chromate matrix, which is cured and burnished to provide sacrificial corrosion protection. The top coat is an extra barrier against corrosion and heat resistance, while providing smoothness for efficiency.

**Benefits**
- Outstanding corrosion resistance due to hydrophobicity
- Excellent cyclic heat resistance
- Better erosion resistance than 5380 DP
- Smoothness retention up to 1050°F (565°C)

**Advantages**
SermeTel Blue is our next-generation coating for industrial gas turbine components. The high contact angle ranks its hydrophobicity as the best among inorganic SermeTel top coats. SermeTel Blue offers superior resistance to corrosion at high temperatures, while retaining smoothness for efficiency.

**Applications**
Compressor blades, hubs, vanes, and other components.

**Physical Properties**
- Thickness Range: 0.8-2.0 mils/20-50 µm (typical)
- Surface Finish: < 25µin Ra with 0.030" cut-off
- Static Contact Angle: ≥ 80 degrees with water

**Performance Data**

<table>
<thead>
<tr>
<th>Test</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salt Spray (ASTM B117)</td>
<td>No red rust after &gt; 7000 hours</td>
</tr>
<tr>
<td>Cyclic Heat (850°F/450°C) -</td>
<td>No red rust in scribe after 10 cycles</td>
</tr>
<tr>
<td>Salt Spray resistance</td>
<td>&gt; 300 liters/mil</td>
</tr>
<tr>
<td>Erosion Resistance (ASTM D968)</td>
<td>5B excellent</td>
</tr>
<tr>
<td>Adhesion (ASTM D3359)</td>
<td>No chipping on 0.22&quot; mandrel</td>
</tr>
<tr>
<td>Bend (ASTM B571)</td>
<td></td>
</tr>
</tbody>
</table>

**How to Get Started.**
Contact Us Today.
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