SPARBOND 80G RF
PRODUCT INFORMATION

SPARBOND 80G RF is a rapid fire version of SPARBOND 80G. It is a high strength, low-cement bonded refractory gun mix designed especially for bonding to existing materials. This product contains a unique, proprietary binding system that adheres to existing refractory while maintaining the ease of installation and superior properties of a standard low cement gun mix. Additionally, this product was designed for an accelerated dryout schedule **THIS PRODUCT IS FOR COLD GUNNING APPLICATIONS ONLY.**

PHYSICAL PROPERTIES

Maximum Service Temperature: 3200°F

Pre-damp Water Required: ½ to 1 qt/ 50# bag

Bulk Density: 1500°F  
155 - 160 lbs/cu.ft

Modulus of Rupture
After Heating to 1500°F  
1800 - 2800 lbs/sq.in

Cold Crushing Strength
After Heating to 1500°F  
12000-16000 lbs/sq.in

Linear Change, %
After Heating to 1500°F  
-0.1 to -0.4

Erosion Resistance (ASTM C704)
After Heating to 1700°F  
less than 7cc
(Typical Loss: 5 - 6 cc)

Typical Chemical Analysis, %

<table>
<thead>
<tr>
<th>Component</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Al₂O₃</td>
<td>77.8</td>
</tr>
<tr>
<td>SiO₂</td>
<td>15.1</td>
</tr>
<tr>
<td>CaO</td>
<td>1.8</td>
</tr>
<tr>
<td>TiO₂</td>
<td>2.8</td>
</tr>
<tr>
<td>Fe₂O₃</td>
<td>0.9</td>
</tr>
<tr>
<td>MgO</td>
<td>0.1</td>
</tr>
<tr>
<td>Other</td>
<td>1.0</td>
</tr>
</tbody>
</table>

The above are average results and do not constitute a specification.  
The above average results based on gunned samples.  
**SPARBOND 80G** is available in 50# bags, 1500#, 2000#, and 3000# bulk bags palletized and shrink-wrapped. **NOTE: CASTABLE MUST BE STORED IN DRY PLACE**