**PRODUCT DATA**

**Brand Name:** EZ CUBED<sup>®</sup> 70PC

**Description:** EZ CUBED<sup>®</sup> 70PC is a Low Cement, 70% Alumina castable that can be installed by vibration cast, pumping or shotcreting methods.

Physical properties shown are average values of samples taken under controlled conditions
ASTM test methods used where applicable

**Maximum Service Temperature:** 3200°F (1760°C)

**Recommended Mixing Time:** 5 minutes

**Typical Water Required for Mixing (by weight):**
- Pump Casting ................. 6.0%
- Vibration Casting .............. 5.0%

<table>
<thead>
<tr>
<th>Bulk Density (pcf)</th>
<th>Pump Cast Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>After 220°F (105°C)</td>
<td>158 (2.53 g/cm³)</td>
</tr>
<tr>
<td>After 1500°F (815°C)</td>
<td>157 (2.51 g/cm³)</td>
</tr>
</tbody>
</table>

**Cold Crushing Strength (psi)**
- After 1500°F (815°C) 14,000 (980 kg/cm²)

**Abrasion Loss (using ASTM C-704 Method)**
- After 1500°F (815°C) 8 cc (typical)

**Permanent Linear Change (%)**
- After 1500°F (815°C) 0.0 to -0.3

**Thermal Conductivity (K Factor)**

<table>
<thead>
<tr>
<th>Mean Temperature</th>
<th>BTU/ft²/hr./°F/inch</th>
<th>W/mK</th>
</tr>
</thead>
<tbody>
<tr>
<td>1500°F (815°C)</td>
<td>11.0</td>
<td>1.59</td>
</tr>
<tr>
<td>2000°F (1093°C)</td>
<td>10.0</td>
<td>1.44</td>
</tr>
<tr>
<td>2500°F (1371°C)</td>
<td>10.0</td>
<td>1.44</td>
</tr>
</tbody>
</table>

**Typical Chemical Analysis (%)**
(Calcined Basis)
- Alumina (Al₂O₃) ...................... 66.50
- Silica (SiO₂) ......................... 28.60
- Iron Oxide (Fe₂O₃) ................... 1.00
- Titania (TiO₂) ......................... 1.80
- Lime (CaO) ............................. 1.60
- Magnesia (MgO) ....................... 0.10
- Alkalis (Na₂O+K₂O) ................. 0.20

**Standard Packaging:** 55 lb bag. 72 bags per pallet. Bulk packaging available.

**Brand Code:** 0401

---

The properties shown on this data sheet represent typical average results using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice.

RESCO PRODUCTS disclaims any express or implied warranties based on this sheet.

05/31/18 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet.

One Robinson Plaza - Suite 300, 6600 Steubenville Pike, Pittsburgh, PA, 15205 Phone: 888-283-5505