**PRODUCT DATA**

**EZ CUBED® 2800**

EZ CUBED® 2800 is a cement-bonded, fireclay-based, 45% Alumina castable that can be installed by vibration cast, pumpcasting, self-leveling, or shotcreting methods.

Physical properties shown are average values of samples taken under controlled conditions.

**ASTM test methods used where applicable**

**Maximum Service Temperature:** 2800°F (1538°C)

**Dry Material Required per Cubic Foot:** 140 lbs. (approximate)

**Recommended Mixing Time:** 5 minutes

**Typical Water Required for Mixing (by weight):**

- Pumping/Self Leveling .......... 8.3%
- Vibration Casting ............. 5.5 - 6.0%

<table>
<thead>
<tr>
<th>Bulk Density (pcf)</th>
<th>After 220°F (105°C)</th>
<th>137</th>
<th>(2.19 g/cm³)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>After 1500°F (815°C)</td>
<td>136</td>
<td>(2.18 g/cm³)</td>
</tr>
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</table>

**Cold Crushing Strength (psi)**

- After 220°F (105°C) 10000 (700 kg/cm²)
- After 1500°F (815°C) 11000 (770 kg/cm²)

**Hot Modulus of Rupture (psi)**

- At 2000°F (1093°C) 1200 - 2200 (84 - 154 kg/cm²)

**Erosion Loss (ASTM C-704 Method)**

- After 1500°F (815°C) 0.0 to -0.3

**Thermal Conductivity (K Factor)**

- Mean Temperature 1500°F (815°C) 10.5 BTU/ft²/hr./°F/inch  1.51 W/mK
- Mean Temperature 2000°F (1093°C) 11.2 BTU/ft²/hr./°F/inch  1.62 W/mK

**Typical Chemical Analysis (%)**

(Calcined Basis)

- Alumina (Al₂O₃) ................. 46.2
- Silica (SiO₂) ................... 47.8
- Iron Oxide (Fe₂O₃) ............. 0.8
- Lime (CaO) ...................... 3.0
- Titania (TiO₂) .................. 1.6
- Magnesia (MgO) ................. 0.1
- Alkalis (Na₂O+K₂O) .......... 0.2

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

Brand Code: 0840

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.

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12/21/16 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.

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