



# PRODUCT DATA

**Brand Name:** QUIKTURN 80 PCA

**Description:** Aluminum-resistant, 76% alumina, ultra-low cement castable that can be installed using vibration casting, pumping, and shotcreting methods. After final set, this unique castable can be heated without the traditional controlled heating schedule.

**Maximum Service Temperature** ..... 3000°F (1650°C)

**Typical Water Required for Mixing :**  
Pumping ..... 5.6%

**Bulk Density (lb/ft<sup>3</sup>)**  
After 1500°F (815°C) : 164 (2624 Kg/m<sup>3</sup>)

**Cold Crushing Strength (lb/in<sup>2</sup>)**  
After 1500°F (815°C) : 10,000 (700 Kg/cm<sup>2</sup>)

**Modulus of Rupture (lb/in<sup>2</sup>)**  
After 1500°F (815°C) : 1040 (73 Kg/cm<sup>2</sup>)

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

**Erosion Loss (cc loss)**  
Using ASTM C-704 Method  
After 1500°F (815°C) : 7.0 cc (typical)

**Typical Chemical Analysis (%)**

Al <sub>2</sub> O <sub>3</sub> .....	75.1%
SiO <sub>2</sub> .....	18.3
Fe <sub>2</sub> O <sub>3</sub> .....	1.0
TiO <sub>2</sub> .....	2.4
CaO .....	1.0
Others.....	2.2

**Standard Packaging:** 55 lb bags; 72 bags per pallet (Bulk Packaging Available)

The properties shown on this data sheet represent typical average results generated 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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