



# PRODUCT DATA

**Brand Name:**

## QUIKTURN 60 Z PC

**Description:** QUIKTURN 60Z PC is an ultra low cement 55% alumina castable with a zircon addition, that features excellent strengths, alkali resistance, abrasion resistance. The zircon addition increases resistance to cement dust buildup.

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

**Maximum Service Temperature: 3100°F (1700°C)**

**Dry Material Required per Cubic Foot :** 150 to 155 lbs. (approximate)

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

Pump Cast ..... 7.00%

**Recommended Mixing Time:** 5 minutes

|  | Pump Cast Data                        |                           |
|--|---------------------------------------|---------------------------|
| <b>Bulk Density (pcf)</b>                                |                                       |                           |
| After 230°F (110°C)                                      | 150                                   | (2.40 g/cm <sup>3</sup> ) |
| After 1500°F (815°C)                                     | 149                                   | (2.38 g/cm <sup>3</sup> ) |
| <b>Cold Crushing Strength (psi)</b>                      |                                       |                           |
| After 1500°F (815°C)                                     | 10000                                 | (700 kg/cm <sup>2</sup> ) |
| <b>Thermal Conductivity (K Factor)</b>                   | <u>BTU/ft<sup>2</sup>/hr./°F/inch</u> | <u>W/mK</u>               |
| 1000°F (538°C)   | 9.8                                   | 1.41                      |
| 1500°F (815°C)   | 8.9                                   | 1.28                      |
| 2000°F (1093°C)  | 8.9                                   | 1.28                      |
| <b>Permanent Linear Change (%)</b>                       |                                       |                           |
| After 1500°F (815°C)                                     | -0.2 to 0.0                           |                           |
| <b>Erosion Loss (using ASTM C-704 Method)</b>            |                                       |                           |
| After 1500°F (815°C)                                     | 12 cc                                 |                           |
| <b>Typical Chemical Analysis (%)</b><br>(Calcined Basis) |                                       |                           |
| Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....          | 54.7                                  |                           |
| Silica (SiO <sub>2</sub> ) .....                         | 37.3                                  |                           |
| Lime (CaO) .....   | 1.5                                   |                           |
| Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....       | 0.8                                   |                           |
| Titania (TiO <sub>2</sub> ) .....                        | 1.3                                   |                           |
| Magnesia (MgO) .....                                     | 0.1                                   |                           |
| Zircon (ZrO <sub>2</sub> ) .....                         | 3.3                                   |                           |
| Alkalies (Na <sub>2</sub> O+K <sub>2</sub> O) .....      | 1.0                                   |                           |

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

**Brand Code:** 0658

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.

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

03/08/17 is the date that this data sheet was updated. Check with your RESKO sales representative or RESKO website to determine you have the current sheet.