



# PRODUCT DATA

**Brand Name:** EZ CAST 3250

**Description:** EZ CAST 3250 is a Low Cement, 75% Alumina castable that can be installed by vibration cast or self-leveling methods. This castable is also available with stainless steel fibers (up to 2% addition).

**Maximum Service Temperature:** 3250°F (1788°C)

**Dry Material Required per Cubic Foot :** 170 lbs. (approximate)

**Recommended Mixing Time:** 5 minutes

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

Vibration Casting .....	4.5%
Self-Flow .....	5.5%

**Bulk Density (pcf)**

After 220°F (105°C) :

Self-Flow Data

165	(2640 kg/m <sup>3</sup> )
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**Cold Crushing Strength (psi)**

After 220°F (105°C) :

8,700 (609 kg/cm<sup>2</sup>)

After 1500°F (815°C) :

11,000 (770 kg/cm<sup>2</sup>)

**Permanent Linear Change (%)**

After 1500°F (815°C) :

0.0 to -0.3

**Hot Modulus of Rupture, psi**

At 1500°F (815°C) :

2,100 to 4,100 (147 to 287 kg/cm<sup>2</sup>)

At 2500°F (1371°C) :

800 to 1,000 (56 to 70 kg/cm<sup>2</sup>)

At 2700°F (1482°C) :

500 to 600 (35 to 42 kg/cm<sup>2</sup>)

**Thermal Conductivity (using ASTM C1113)**

Mean Temperature	BTU/ft <sup>2</sup> /hr/°F/inch	W/mK
1500°F (815°C) :	16.9	2.45
2000°F (1093°C) :	17.2	2.50
2500°F (1371°C) :	15.0	2.18

**Typical Chemical Analysis, % (Calcined Basis)**

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	75.1
Silica (SiO <sub>2</sub> ) .....	19.8
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	1.0
Titania (TiO <sub>2</sub> ) .....	2.7
Lime (CaO) .....	1.2
Magnesia (MgO) .....	0.1
Alkalies (Na <sub>2</sub> O+K <sub>2</sub> O) .....	0.1

**Brand Code:** 0816

**Standard Packaging:** 55 lbs bag, 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), 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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