



# PRODUCT DATA

**Brand Name:** EZ EST FINE 10CR

**Description:** EZ EST FINE 10CR is a cement-free, alumina-chrome castable with 10% chromic oxide, that can be installed by casting, pumping, or shotcreting methods. This product was formulated for installation on studded boiler tubes and requires an additional liquid binder, called EZ ADD binder, for mixing and installation.

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

**Maximum Service Temperature: 3400°F (1871°C)**

**Dry Material Required per Cubic Foot :** 185 lbs. (approximate)

**Recommended Mixing Time:** 5 minutes

**Typical EZ ADD Binder Required for Mixing (by weight) :**

Pump Casting ..... 11.8%  
Vibration Casting ..... 10.0%

**Bulk Density (pcf)**

	<u>Pump Cast Data</u>	
After 220°F (105°C) :	182	(2.92 g/cm <sup>3</sup> )
After 1500°F (815°C) :	183	(2.93 g/cm <sup>3</sup> )

**Cold Crushing Strength (psi)**

After 1500°F (815°C) :	8000	(560 kg/cm <sup>2</sup> )
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**Permanent Linear Change (%)**

Green to 1500°F (815°C) :	-0.3
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**Typical Chemical Analysis (%)**

(Calcined Basis including Liquid Binder)

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	85.2
Silica (SiO <sub>2</sub> ) .....	4.2
Chromic Oxide (Cr <sub>2</sub> O <sub>3</sub> ) .....	10.3
Magnesia (MgO) .....	0.1
Alkalis (Na <sub>2</sub> O+K <sub>2</sub> O) .....	0.2

**Standard Packaging:** Dry Material: 55 lb bag. 72 bags per pallet. Bulk packaging available.  
Binder: 55 gallon drum, 265 gallon plastic totes

**Brand Code:** 4198 8869 (EZ ADD binder)

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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