



# PRODUCT DATA

**Brand Name:** EZ EST 10CR

**Description:** EZ EST 10CR is a colloidal silica-bonded, alumina-chrome castable with 10% chromic oxide, that can be installed by casting, pumping, or shotcreting methods. This product requires an additional liquid binder (EZ ADD binder) for mixing and installation. Formerly TL0801.

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

**Typical Liquid Binder Addition Required for Mixing (by weight) :**

Pump Casting / Shotcreting .....	11 to 12%
Vibration Casting .....	8 to 10%

**Bulk Density (pcf)**

After 220°F (105°C) :	185	(2960 kg/m <sup>3</sup> )
After 2550°F (1400°C) :	186	(2976 kg/m <sup>3</sup> )

**Cold Crushing Strength (psi)**

After 220°F (105°C)	7000 - 13,000	(490 - 910 kg/cm <sup>2</sup> )
After 2550°F (1400°C) :	6000 - 8000	(420 - 560 kg/cm <sup>2</sup> )

**Permanent Linear Change (%)**

After 220°F (105°C)	-0.02 (typical)
After 2550°F (1400°C) :	-0.07 (typical)

**Typical Chemical Analysis (%)**

Al <sub>2</sub> O <sub>3</sub> .....	85.2 %
SiO <sub>2</sub> .....	4.2
Cr <sub>2</sub> O <sub>3</sub> .....	10.3
Fe <sub>2</sub> O <sub>3</sub> .....	0.0
CaO .....	0.0
TiO <sub>2</sub> .....	0.0
MgO .....	0.1
Alkalies .....	0.2

Brand Code: 3972 (Brand Code of EZ ADD binder is 8869)

Standard Packaging: 72- 55 lbs 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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