



# PRODUCT DATA

**Brand Name:** EZ EST S99F PC

**Description:** EZ EST S99F PC is a cement-free, fused silica-based castable that can be installed by casting, pumping, or shotcreting methods. This product 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: 3000°F (1649°C)**

**Dry Material Required per Cubic Foot :** 112 lbs. (approximate)

**Recommended Mixing Time:** 5 minutes

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

Pump Casting ..... 10.0 - 11.0%

**Bulk Density (pcf)**

|                       | <u>Pump Cast Data</u> |                           |
|-----------------------|-----------------------|---------------------------|
| After 220°F (105°C)   | 112                   | (1.79 g/cm <sup>3</sup> ) |
| After 2550°F (1400°C) | 113                   | (1.81 g/cm <sup>3</sup> ) |

**Cold Crushing Strength (psi)**

|                       |      |                           |
|-----------------------|------|---------------------------|
| After 220°F (105°C)   | 5600 | (392 kg/cm <sup>2</sup> ) |
| After 2550°F (1400°C) | 6500 | (455 kg/cm <sup>2</sup> ) |

**Permanent Linear Change (%)**

After 1500°F (815°C) 0.0 to -0.02

**Typical Chemical Analysis (%)**

(Calcined Basis including Liquid Binder)

|   |      |
|---|------|
| Silica (SiO <sub>2</sub> ) .....                | 99.5 |
| Alumina (Al <sub>2</sub> O <sub>3</sub> ) ..... | 0.3  |
| Magnesia (MgO) .....                            | 0.1  |
| Other .....                                     | 0.1  |

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

Binder: 55 gallon drum, 265 gallon plastic totes

Brand Code: 3745

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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4/17/19 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet.

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