



# PRODUCT DATA

**Brand Name:** RESCOCAST 17EPC

**Description:** A pumpable version of Rescocast 17EC.

**Maximum Service Temperature** ..... 2750°F (1510°C)

**Typical Water Required for Mixing :**

For Pumping ..... 11.5%

**Bulk Density (lb/ft<sup>3</sup>)**

220°F (105°C)	133	(2128 kg/m <sup>3</sup> )
1500°F (815°C)	127	(2032 kg/m <sup>3</sup> )

**Modulus of Rupture (lb/ir<sup>2</sup>)**

1500°F (815°C) 1100 to 1500 (77 to 105 kg/cm<sup>2</sup>)

**Cold Crushing Strength (lb/ir<sup>2</sup>)**

1500°F (815°C) 6500 to 9000 (455 to 630 kg/cm<sup>2</sup>)

**Permanent Linear Change (%)**

1500°F (815 °C) -0.1 to -0.4

**Erosion Loss**

Using ASTM C-704 Method : Less than 14 cc

**Thermal Conductivity (K Factor)**

At Mean Temperature:	BTU/Ft <sup>2</sup> /Hr./°F/In.	W/mK
1000°F (540°C)	6.8	0.98
1500°F (815°C)	6.9	0.99
2000°F (1095°C)	7.7	1.11

**Typical Chemical Analysis (%)**

Al <sub>2</sub> O <sub>3</sub> .....	50.6 %
SiO <sub>2</sub> .....	40.7
Fe <sub>2</sub> O <sub>3</sub> .....	0.7
CaO .....	5.7
TiO <sub>2</sub> .....	1.2
MgO.....	0.8
Alkalies.....	0.3

**Standard Packaging:** 72 - 55 lb bags per pallet

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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