

PRODUCT DATA



Extreme Service Castables

Cast Data

Brand Name: SUREFLOW 17E

Description: SUREFLOW 17E is a high cement, self leveling castable that offers high strength and excellent resistance to abrasion. It has the same physical properties as Rescocast 17EC with the added advantage of flowing into place without heavy vibration. This product should be installed by pouring; no vibration is needed during installation. **SUREFLOW 17E cannot be pumpcast.**

Maximum Service Temperature 2750°F (1510°C)

Bulk Density (lb/ft³)

After 220°F (105°C)	144	(2304 kg/m ³)
After 1500°F (815°C)	135	(2160 kg/m ³)

Cold Crushing Strength (lb/in²)

After 1500°F (815°C) 9,000 to 12,000 (630-840 kg/cm²)

Permanent Linear Change (%)

Green to fired: after firing to 1500°F (815°C) 0.0 to -0.4

Erosion Loss using ASTM C-704 Method

After 1500°F (815°C) 10cc (Maximum)

Thermal Conductivity or "K" Factor

Mean Temperature	BTU/ft ² /Hr/°F/in.	W/mK
500°F (260°C)	10.2	1.48
1000°F (540°C)	9.8	1.42
1500°F (815°C)	10.0	1.45

Typical Chemical Analysis (%)

Al ₂ O ₃	56.5 %
SiO ₂	36.7
Fe ₂ O ₃	0.7
TiO ₂	trace
CaO	5.5
MgO	0.2
Alkalies	0.4

Standard Packaging: 55 lb 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 conditions (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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