



PRODUCT 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.

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

Typical Water Required for Mixing (by weight) : 9.0%

Recommended Mixing Time: 7 - 8 Minutes

Maximum Service Temperature: 2750°F (1510°C)

Self Leveling Data

Bulk Density (pcf)

After 220°F (105°C)	144	(2.30 g/cm ³)
After 1500°F (815°C)	135	(2.16 g/cm ³)

Cold Crushing Strength (psi)

After 1500°F (815°C)	10500	(560 kg/cm ²)
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Thermal Conductivity (K Factor)

Mean Temperature	BTU/ft ² /hr./°F/inch	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

Permanent Linear Change (%)

After 1500°F (815°C)	-0.4 to 0.0
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Abrasion Loss (using ASTM C-704 Method)

After 1500°F (815°C)	10 cc (max)
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Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al ₂ O ₃)	56.5
Silica (SiO ₂)	36.7
Iron Oxide (Fe ₂ O ₃)	0.7
Lime (CaO)	5.5
Magnesia (MgO)	0.2
Alkalies (Na ₂ O+K ₂ O)	0.4

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

Brand Code: 0359

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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