



PRODUCT DATA

Brand Name: SUREFLOW 17A

Description: SUREFLOW 17A is a high purity, low iron castable suitable for high temperature applications. Its ideal for reducing atmospheres such as hydrogen and/or carbon monoxide and also provides excellent resistance to slags and high temperature corrosive atmospheres. This product should be installed by pouring; no vibration is needed during installation. It should be noted that SUREFLOW 17A is not recommended for pumpcasting.

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

Maximum Service Temperature: 3400°F (1870°C)

<u>Bulk Density (pcf)</u>	<u>Self Leveling Data</u>	
	After 220°F (105°C)	182
After 1500°F (815°C)	174	(2.78 g/cm ³)

<u>Cold Crushing Strength (psi)</u>		
After 1500°F (815°C)	11500	(560 kg/cm ²)

<u>Thermal Conductivity (K Factor)</u>	<u>BTU/ft²/hr./°F/inch</u>	<u>W/mK</u>
Mean Temperature		
500°F (260°C)	10.8	1.56
1000°F (540°C)	9.9	1.43
1500°F (815°C)	9.7	1.40

<u>Permanent Linear Change (%)</u>	
After 1500°F (815°C)	-0.3 to 0.0

<u>Abrasion Loss (using ASTM C-704 Method)</u>	
After 1500°F (815°C)	12 cc (max)

<u>Typical Chemical Analysis (%)</u>	
(Calcined Basis)	
Alumina (Al ₂ O ₃)	94.9
Silica (SiO ₂)	0.1
Iron Oxide (Fe ₂ O ₃)	0.1
Lime (CaO)	4.6
Magnesia (MgO)	0.1
Alkalies (Na ₂ O+K ₂ O)	0.2

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

Brand Code: 0357

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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