



PRODUCT DATA

Brand Name: SUREFLOW 110

Description: SUREFLOW 110 is a free flowing refractory that combines strength and abrasion resistant qualities with low thermal conductivity. SUREFLOW 110 is the product of choice when both performance and insulation is desired in a single product. This product should be installed by pouring; no vibration is needed during installation. SUREFLOW 110 cannot be pumpcast.

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

Maximum Service Temperature: 2400°F (1315°C)

Typical Water Required for Mixing (by weight) :

Self Leveling 12%

Self Leveling Data

Bulk Density (pcf)

After 220°F (105°C)	120	(1.92 g/cm ³)
After 1500°F (815°C)	110	(1.76 g/cm ³)

Cold Crushing Strength (psi)

After 1500°F (815°C)	8000	(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)	6.3	0.91
1000°F (540°C)	6.0	0.87
1500°F (815°C)	6.2	0.90

Permanent Linear Change (%)

Green to 1500°F (815°C)	-0.4 to 0.0
After 1500°F (815°C)	-0.3 to 0.0

Abrasion Loss (using ASTM C-704 Method)

After 1500°F (815°C)	12 cc (Max)
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Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al ₂ O ₃)	53.3
Silica (SiO ₂)	32.7
Iron Oxide (Fe ₂ O ₃)	1.6
Titania (TiO ₂)	0.9
Lime (CaO)	10.8
Magnesia (MgO)	0.2
Alkalies (Na ₂ O+K ₂ O)	0.5

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

Brand Code: 0588

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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