

# Self Flow Castables

## Product Data

### SUREFLOW 60QT

**SUREFLOW 60QT** is a 64% Alumina, low cement self flow castable . This product is recommended for Pre-cast Shapes or new and full lining repairs using anchored construction. After its initial set, Sureflow 60QT can be brought into operation without curing. It can then be dried at heat up rates much higher than traditionally used. **Sureflow 60QT** has excellent strength, thermal shock and abrasion resistance.

**Maximum Service Temperature:** 1700°C

**Bulk Density:**

Fired to 815°C 2450 – 2560 kg/m<sup>3</sup>

**Cold Crushing Strength:**

Fired to 815°C 900 - 1400 kg/cm<sup>2</sup>  
 Fired to 1600°C 1200 - 1800 kg/cm<sup>2</sup>

**Modulus of Rupture:**

Fired to 815°C 180 - 280 kg/cm<sup>2</sup>

**Erosion Loss:**

Fired to 815°C Less than 7 cc  
 (Typical loss 5-6 cc)

**Permanent Linear Change(%):**

Green to 815°C 0.0 to -0.3

**Conductivity or “K” Factor:**

Mean Temp.	BTU/ft <sup>2</sup> /HR/°F/in	W/mK
1000°F ( 540°C)	10.0	1.44
1500°F ( 815°C)	9.0	1.30
2000°F (1095°C)	9.0	1.30

**Typical Chemical Analysis(%):**

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	CaO/MgO	Alkalies
64.1	30.5	0.89	1.44	1.54	0.3

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