

Self flow Castables

Product Data

SUREFLOW 65SCQT

SUREFLOW 65SCQT is a 64% Silicon Carbide based, Low cement castable designed for self-flow casting. This product is recommended for new and full lining repairs using anchored construction. Its High Thermal Conductivity makes it ideal for applications where high heat transfer is important. After the initial set, the furnace lining can be returned to operation without curing or the traditional controlled heating schedule. **SUREFLOW 65SCQT** has excellent strength and abrasion resistance, resistance to thermal spalling & corrosion.

Maximum Service Temperature: 1500°C

Bulk Density:

Fired to 815°C 2500 - 2600 kg/m³

Cold Crushing Strength

Fired to 815°C 520 - 690 kg/cm²

Modulus of Rupture:

Fired to 815°C 100 - 140 kg/cm²

Erosion Loss:

Fired to 815°C Less than 8 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 ² /HR/°F/in	W/mK
1000°F (540°C)	41.6	6.0
2000°F (1095°C)	45.0	7.0

Typical Chemical Analysis(%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	SiC
29.4	4.8	0.08	Tr	1.3	63.4

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