

Self Flow Castables

Product Data

SUREFLOW 50QT

SUREFLOW 50QT is a 59% 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 50QT can be brought into operation without curing or the traditional controlled heating schedule. **Sureflow 50QT** has good strength, thermal shock and abrasion resistance.

Maximum Service Temperature: 1650°C

Bulk Density:

Fired to 815°C 2210 – 2300 kg/m³

Cold Crushing Strength:

Fired to 815°C 550 - 827 kg/cm²
 Fired to 1550°C 770 - 1000 kg/cm²

Modulus of Rupture:

Fired to 815°C 100 - 150 kg/cm²

Erosion Loss:

Fired to 815°C Less than 12 cc
 (Typical loss 8-10 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)	9.0	1.26
1500°F (815°C)	10.0	1.43
2000°F (1095°C)	10.0	1.43

Typical Chemical Analysis(%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO/MgO	Alkalies
59.1	36.2	0.80	0.9	1.94	0.53

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled conditions 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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