

Self Flow Castables

Product Data

SUREFLOW 30SC

Sureflow 30SC is a self flow castable containing 30% Silicon Carbide. This product is recommended for Pre-cast Shapes or new and full lining repairs using anchored construction. **Sureflow 30SC** has good strength, thermal shock and abrasion resistance.

Maximum Service Temperature: 1500°C

Grain Size: < 5mm

Bulk Density:

Dried to 110°C 2580 – 2680 kg/m³

Fired to 815°C 2540 – 2640 kg/m³

Cold Crushing Strength:

Fired to 815°C > 600 kg/cm²

Fired to 1500°C > 700 kg/cm²

Permanent Linear Change(%):

Green to 815°C 0.0 to -0.4

Green to 1500°C -0.2 to -0.9

Typical Conductivity or “K” Factor:

Mean Temp.	BTU/ft ² /HR/°F/in	W/mK
1000°F (540°C)	24.0	3.46
1500°F (815°C)	28.0	4.00

Typical Chemical Analysis(%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO+MgO	SiC
31.2	34.7	0.7	0.8	1.5	29.7

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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