

**SUREFLOW 20LI**

*SUREFLOW 20LI IS A LOW IRON INSULATING SELF FLOW CASTABLE WITH LOW THERMAL CONDUCTIVITY WHICH IS NORMALLY USED AS BACK-UP INSULATION. TO FOLLOW IS TYPICAL DATA FOR SPECIMENS SELF FLOW CAST;*

**MAXIMUM SERVICE TEMPERATURE (M.S.T.)** (1300°C)

**BULK DENSITY**

@ 110°C	52 - 60	LBS/FT <sup>3</sup>	800 - 913	KG/M <sup>3</sup>
@ 815°C	46 - 53	LBS/FT <sup>3</sup>	720 - 840	KG/M <sup>3</sup>
@ M.S.T.	52 - 60	LBS/FT <sup>3</sup>	800 - 913	KG/M <sup>3</sup>

**COLD CRUSHING STRENGTH**

@ 110°C	300 - 500	P.S.I.	28 - 48	KG/CM <sup>2</sup>
@ 815°C	200 - 400	P.S.I.	21 - 31	KG/CM <sup>2</sup>
@ M.S.T.	200 - 400	P.S.I.	21 - 31	KG/CM <sup>2</sup>

**COLD MODULUS OF RUPTURE**

@ 815°C	100 - 150	P.S.I.	7 - 11	KG/CM <sup>2</sup>
@ M.S.T.	100 - 150	P.S.I.	7 - 11	KG/CM <sup>2</sup>

**PERMANENT LINEAR CHANGE**

@ 815°C	- 0.15 TO - 0.50 %
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**CONDUCTIVITY OR "K" FACTOR**

<u>MEAN TEMP</u>	<u>BTU/FT<sup>2</sup>/HR/°F/IN</u>	<u>W/Mk</u>
@ 815°C (1500°F)	1.55	0.22

**TYPICAL CHEMICAL ANALYSIS (%)**

AL <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO	MgO	TiO <sub>2</sub>	AlK
44.5	42.0	1.2	8.7	2.0	0.3	1.3

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. RESCO PRODUCTS disclaims any expressed or implied warranties based on this sheet. 01/08/13 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet