

SUREFLOW 10

SUREFLOW 10 is Medium weight, Self-Flowing insulating castable with extremely high erosion resistance and strengths for a product of this density.

THE DATA SHOWN IS BASED ON MATERIAL PREPARED TO A CONVENTIONAL FOLD CONSISTANCY AND ALLOWED TO SELF-FLOW INTO FORMWORK WITHOUT VIBRATION OR TAMPING.

<u>MAXIMUM SERVICE TEMPERATURE (M.S.T.)</u>					1370°C	
<u>BULK DENSITY</u>						TYPICAL (Metric)
@ 110°C	102 - 108	LBS/FT ³	1635 - 1730	KG/M ³		(1685)
@ 815°C	93 - 99	LBS/FT ³	1490 - 1585	KG/M ³		(1535)
<u>COLD CRUSHING STRENGTH</u>						
@ 815°C	3500 - 6000	P.S.I.	241 - 414	KG/CM ²		(400)
@ 1095°C	3000 - 5000	P.S.I.	207 - 345	KG/CM ²		(300)
<u>COLD MODULUS OF RUPTURE</u>						
@ 815°C	600 - 900	P.S.I.	41 - 62	KG/CM ²		(50)
<u>PERMANENT LINEAR CHANGE</u>						
@ 110°C TO 815°C			- 0.10 TO - 0.40 %			(-0.20)
<u>EROSION LOSS (ASTM C-704)</u>					LESS THAN 20 CC	(16 CC)

TYPICAL CONDUCTIVITY OR "K" FACTOR

<u>MEAN TEMP</u>	<u>BTU/FT²/Hr/°F/in</u>	<u>W/mK</u>
@ 260°C	2.8	0.40
@ 540°C	3.2	0.45
@ 815°C	3.4	0.48

TYPICAL CHEMICAL ANALYSIS (%)

AL ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	TiO ₂	ALK
52.1	31.5	1.5	10.1	0.6	0.6	1.9

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