

SUREFLOW 52LC

SUREFLOW 52LC IS A 1650°C LOW CEMENT CASTABLE WHICH REQUIRES NO VIBRATION TO INSTALL. SUPER HIGH STRENGTHS, ABRASION RESISTANCE AND VOLUME STABILITY ARE ACHIEVED EVEN WHEN THE MATERIAL IS MIXED TO A "FREE-FLOWING" OR "SELF-LEVELLING" CONSISTANCY. SUREFLOW 52LC IS IDEALLY SUITED FOR PUMP CASTING APPLICATIONS.

THE DATA SHOWN IS BASED ON MATERIAL PREPARED TO A FREE FLOWING CONSISTANCY AND Poured INTO FORMWORK WITHOUT VIBRATION OR TAMPING.

MAXIMUM SERVICE TEMPERATURE (M.S.T.) 1650°C

<u>BULK DENSITY</u>				<u>TYPICAL (METRIC)</u>	
@ 110°C	151 - 156	LBS/FT ³	2419 - 2499	KG/M ³	(2466)
@ 815°C	149 - 154	LBS/FT ³	2387 - 2467	KG/M ³	(2430)

<u>COLD CRUSHING STRENGTH</u>					
@ 815°C	11600 - 17500	P.S.I.	800 - 1200	KG/CM ²	(1200)
@ M.S.T.	11600 - 14500	P.S.I.	800 - 1000	KG/CM ²	(900)

<u>PERMANENT LINEAR CHANGE</u>				
@ 815°C	- 0.10	TO	-0.30 %	(-0.20)

MAXIMUM GRAIN SIZE 3.5 MM

EROSION LOSS (ASTM C-704)

@ 815°C 8 CC MAX **TYPICAL (4.5 CC)**

<u>CONDUCTIVITY OR "K" FACTOR</u>		
<u>MEAN TEMP</u>	<u>BTU/FT²/Hr/°F/in</u>	<u>W/mK</u>
@ 540°C	9.0	1.26
@ 1095°C	10.0	1.43

<u>TYPICAL CHEMICAL ANALYSIS (%)</u>						
AL ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	TiO ₂	ALK
52.0	44.3	0.6	1.4	0.1	1.3	0.3

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