



SELF FLOW CASTABLES

PRODUCT DATA

SUREFLOW 60LC

SUREFLOW 60LC IS A 1650°C LOW CEMENT CASTABLE WHICH REQUIRES NO VIBRATION, RODDING OR TAMPING TO INSTALL. THIS "FREE FLOWING" OR "SELF FLOWING" CASTABLE GIVES SUPER HIGH STRENGTHS, ABRASION RESISTANCE AND VOLUME STABILITY.

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

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

BULK DENSITY

@ 815°C 144 - 153 LBS/FT³ 2300 - 2450 KG/M³

COLD CRUSHING STRENGTH

@ 815°C 8000 - 15000 P.S.I. 560 - 1050 KG/CM²
 @ M.S.T. 9000 - 16000 P.S.I. 630 - 1120 KG/CM²

PERMANENT LINEAR CHANGE

@ 815°C - 0.00 TO - 0.40 %

EROSION LOSS (ASTM C-704)

@ 815°C 8 CC MAX

CONDUCTIVITY OR "K" FACTOR

<u>MEAN TEMP</u>	<u>BTU/FT²/Hr/°F/in</u>	<u>W/mK</u>
@ 540°C	9.5	1.33
@ 1095°C	10.5	1.47

TYPICAL CHEMICAL ANALYSIS (%)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	TiO ₂	AlK
60.0	33.7	0.9	2.0	0.3	1.3	0.3

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