



SELF FLOW CASTABLES

PRODUCT DATA

SUREFLOW A57LC

SUREFLOW A57LC 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

TYPICAL
(METRIC)

@ 110°C	153 - 160	LBS/FT ³	2450 - 2560	KG/M ³	(2500)
@ 815°C	150 - 156	LBS/FT ³	2400 - 2500	KG/M ³	(2455)

COLD CRUSHING STRENGTH

@ 815°C	10000 - 15000	P.S.I.	690 - 1034	KG/CM ²	(900)
@ M.S.T.	13050 - 15950	P.S.I.	900 - 1100	KG/CM ²	(1000)

PERMANENT LINEAR CHANGE

@ 815°C	0.00 - 0.30%	(- 0.20)
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MAXIMUM GRAIN SIZE

5 MM

EROSION LOSS (ASTM C-704)

@ 815°C	8 CC MAX	(5cc)
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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
57.6	37.0	0.8	1.7	0.1	1.1	0.3

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