



SELF FLOW CASTABLES

PRODUCT DATA

SUREFLOW 15

SUREFLOW 15 IS A 1400°C CASTABLE WHICH REQUIRES NO VIBRATION TO INSTALL. THIS MATERIAL IS ECONOMICALLY PRICED AND OFFERS THE CUSTOMER LOW COST PER CUBIC METRE INSTALLED.

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.) 1400°C

WATER ADDITION REQUIRED TO "FREE FLOW" 12.0 - 13.0% BY WT

<u>BULK DENSITY</u>				<u>TYPICAL (METRIC)</u>	
@ 110°C	125 - 130	LBS/FT ³	2002 - 2082	KG/M ³	(2034)
@ 815°C	120 - 125	LBS/FT ³	1922 - 2002	KG/M ³	(1970)

COLD CRUSHING STRENGTH

@ 110°C	5500 - 8000	P.S.I.	379 - 552	KG/CM ²	(450)
@ 815°C	4000 - 6500	P.S.I.	276 - 448	KG/CM ²	(350)
@ M.S.T.	4000 - 6500	P.S.I.	276 - 448	KG/CM ²	(320)

PERMANENT LINEAR CHANGE

@ 815°C 0.10 TO 0.30 % (-0.25)

MAXIMUM GRAIN SIZE 5 MM

CONDUCTIVITY OR "K" FACTOR

<u>MEAN TEMP</u>	<u>BTU/FT²/Hr/°F/in</u>	<u>W/mK</u>
@ 540°C	4.50	0.65
@ 1095°C	4.85	0.70

TYPICAL CHEMICAL ANALYSIS (%)

AL ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	TiO ₂	AlK
43.9	46.1	2.1	5.6	0.1	1.4	0.8

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