SELF FLOW CASTABLES



PRODUCT DATA

SUREFLOW 50ALR

SUREFLOW 50ALR IS A SELF-FLOWING CASTABLE WHICH IS NON-WETTING TO ALUMINIUM AT ALL TEMPERATURES. TYPICAL APPLICATIONS WILL INCLUDE ALUMINIUM LAUNDERS, FILTER BOXES, UPPER SIDE WALLS IN FURNACES AnnND ANY AREA WHERE ADHERANCE OF ALUMINIUM AND CORUNDUM GROWTH IS A PROBLEM. LOWER THERMAL VALUES MAKE SUREFLOW 50ALR A IDEAL CHOICE FOR SINGLE WALL LININGS.

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

MIMIXAM	SERVICE	TEMPERATURE	(M S T)	1400°C
THANTION	DRIVATOR	T THE THAT OILL	(11.0.1.)	1400 C

ALUMINIUM CUP TESTS	PURE Al	7075 A	7075 ALLOY				
100 HRS @ 815°c 100 HRS @ 1100°C		NO REACTION NO REACTION	NO REA	CTION PLICABLE TYPICAL			
BULK DENSITY				(METRIC)			
@ 110°C 148 - 152 LB	S/FT³	2370 - 2435	KG/M ³	(2400)			
@ 815°C 142 - 146 LB	S/FT ³	2275 - 2340	KG/M ³	(2310)			
COLD CRUSHING STRENGTH							
@ 815°C 9000 - 14000 @ 1100°C 8000 - 13000	P.S.I. P.S.I.		KG/CM ² KG/CM ²				
MODULUS OF RUPTURE							
@ 815°C 1500 - 2000 PERMANENT LINEAR CHANG		103 - 138	KG/CM ²	(120)			
@ 815°C	- 0.00	TO - 0.30 %		(-0.18)			

MAXIMUM GRAIN SIZE 5.00 MM
TYPICAL CONDUCTIVITY OR "K" FACTOR

ME.	AN TEMI	2	BTU/FT ² /Hr	/°F/in	W/mK	
e :	540°C (1	000°F)	9.0		1.30	
e 8	315°C (1	500°F)	10.0		1.44	
@ 1 0)95°C (2	000°F)	10.0		1.44	
EROSIO	N LOSS	(ASTM	C-704) @815°C	10 CC MAX	(8 CC	TYPICAL)

		CHEMICAL ANALYSIS (%)				
AL 203	SiO ₂	Fe 2 O 3	CaO	ZrO2	TiO ₂	AlK
51.6	24.7	0.6	9.7	4.5	0.7	0.5

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.

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