

SUREFLOW 70ALR

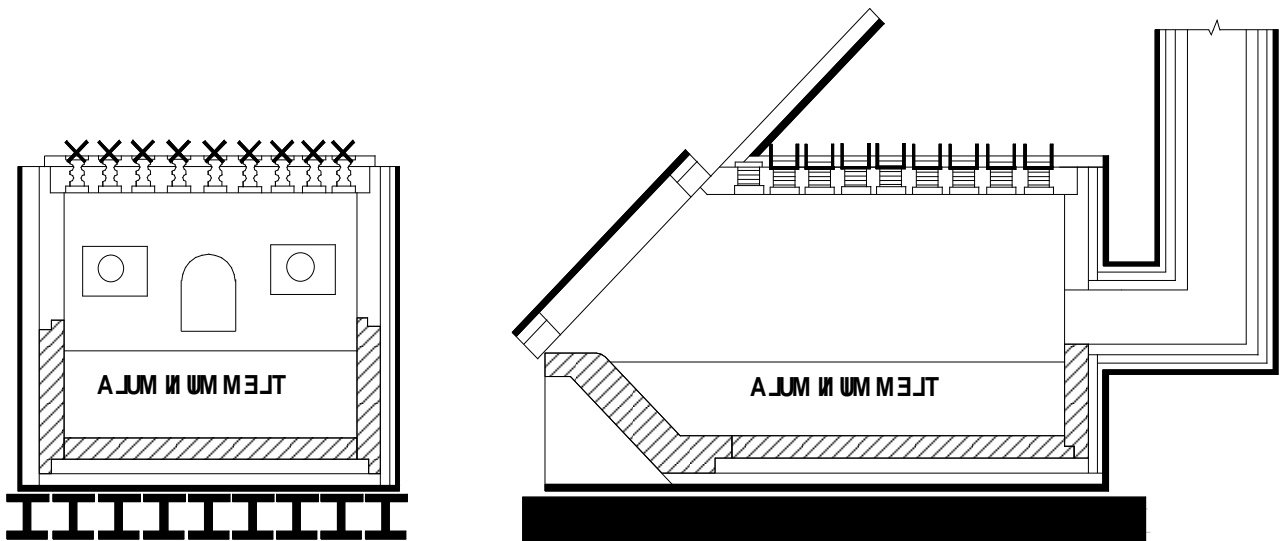
Sureflow 70ALR is a high strength self-flowing castable designed for all molten aluminium applications. Sureflow 70ALR can eliminate corundum growth and aluminium penetration even at the highest temperatures encountered in modern aluminium melting practices. Also available in vibration casting, gunning and pump casting grades.

MAXIMUM SERVICE TEMPERATURE

1500°C

TYPICAL WATER ADDITION TO SELF FLOW

5.2 - 5.8 % BY WEIGHT



RESFLOW 70ALR MELTING AREA REFRACTORY LAYOUT (PARTIAL DATA SHEET)

ALUMINIUM CUP TESTS

TEST PARAMETERS	PURE ALUMINIUM	7075 ALLOY
100 HRS @ 815°C	NO REACTION	NO REACTION
100 HRS @ 1100°C	NO REACTION	NO REACTION

TYPICAL PHYSICAL PROPERTIES (SELF FLOW CAST DATA)

TEST TEMP (°C)	BULK DENSITY (Kg/m ³)	COLD CRUSHING STRENGTH (Kg/cm ²)	LINEAR CHANGE(%)	EROSION LOSS(cc)	THERMAL CONDUCTIVITY (W/mK)
110°C	2865-2950	700-1100	NIL	-	-
815°C	2820-2900	900-1600	0.00 to -0.30	5cc Max	1.60
1095°C	2820-2900	900-1600	-0.20 to -0.40	5cc Max	1.55

TYPICAL CHEMICAL ANALYSIS (%)

AL ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	TiO ₂	ZrO ₂	OTHER
69.6	12.0	1.1	2.3	Tr	1.2	8.4	5.4

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. RESCO PRODUCTS disclaims any expressed or implied warranties based on this sheet. 01/08/13 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet