



RENO REFRACTORIES, INC

LADLE CAST AL-75

TECHNICAL DATA SHEET

LADLE CAST AL-75 is an insulating castable for aluminum contact.

LADLE CAST AL-75 is recommended for OTR ladle sidewalls, ladle covers, furnace doors and aluminum transfer troughs.

SERVICE TEMPERATURE: 2400°F
MATERIAL REQUIRED FOR ESTIMATING: 75 lbs/cf
WATER ADDITION: 22 - 25%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	CaO	Alkalies	Other
48	35	1.8	1.2	0.3	8 – 9	0.3	5.2

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	290	1,502	Nil
1,000	224	1,275	-0.2
1,500	158	872	-0.2

HOT MOR @1500°F (Orton): 371 psi

PACKAGING: 50 lb. Bags, 40 per Pallet (2000 lbs.)

139700 - 10/30/07

The data presented represents typical average results obtained by testing under ASTM or other acceptable procedures as required. They are subject to normal variations and should not be used for specification purposes.

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