



RENO REFRACTORIES, INC

REFCAST SUBHEARTH AL

TECHNICAL DATA SHEET

REFCAST SUBHEARTH AL is a super duty class, non-wetting, 2600°F low iron, general purpose castable. Applications include subflooring for metal melting furnace and areas around furnaces.

SERVICE TEMPERATURE: 2600°F
MATERIAL REQUIRED FOR ESTIMATING: 130 lbs./cu. ft.
CASTING WATER: 10-12%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	CaO	Alkalies	Other
48.4	40.6	0.6	1.9	0.1	6.4	0.1	2.1

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	1,070	4,200	Nil
1500	600	2,700	-0.5
2500	980	4,300	-0.5

“K” FACTOR @ 1000°F: 5.47 Btu-in/hr-ft² °F
“K” FACTOR @ 1500°F: 5.73 Btu-in/hr-ft² °F
“K” FACTOR @ 2000°F: 5.99 Btu-in/hr-ft² °F

PACKAGING: 50 lb. Bags, 80 per Pallet (4,000 lbs.)
1000 lb. Bags, 2 per Pallet (2,000 lbs.)
2000 lb. Bags, 2 per Pallet (4,000 lbs.)

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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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