



RENO REFRACTORIES, INC

RENO JET CAST SUPER ABRABRADE 60 A

TECHNICAL DATA SHEET

RENO JET CAST SUPER ABRABRADE 60A is an Andalusite and Mullite low cement castable designed to be shot-creted into place.

FEATURES:

- Positive expansion for a tight lining and reduced cracking
- Good abrasion resistance
- Good alkali resistance
- Applications include cement, lime, iron, steel and aluminum industries as well as industrial boilers and incinerators.

SERVICE TEMPERATURE:

3000°F

MATERIAL REQUIRED FOR ESTIMATING:

145 lbs./cu. ft.

PUMPING WATER:

5.5-6.5% by weight

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	alkalies
57 – 62	35 – 37	<1.0	2 – 3	<0.25

TYPICAL PHYSICAL PROPERTIES (shot-creted)

Prefired to °F	Modulus of Rupture, psi	Hot MOR psi	Cold Crushing Strength, psi	Linear Change %	Abrasion Loss cc	Apparent Porosity, %
250	950 – 1,100	--	4,900 – 6,580	-0.2		13
1500	1,030 – 1,570	2,675	4,760 – 6,440	-0.1	7.6	17
2000	1,125 – 1,380		5,590 – 5,790	-0.2		
2500	2,125 – 2,530	465	8,200 – 13,790	+1.2	6.6	20
2800	1,900 – 2,400	276	8,660 - 11,975	+0.8	6.6	21

Coefficient of Thermal Expansion: 3.30 x 10-6 in/in/°F

Thermal Conductivity @ 2000°F: 12.5 Btu-in/hr-ft²-°F

Thermal Shock (after 2200°F): 39% MOR Loss (ASTM C-1171)

PACKAGING: 2,000 lb. bulk 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.