



RENO REFRACTORIES, INC

RENO CAST SUPER ABRABE 60Z

TECHNICAL DATA SHEET

RENO CAST SUPER ABRABE 60Z is a high alumina, very strong, thermal shock resistant, mullite based low cement castable with zircon added for enhanced chemical and thermal shock resistance. This product can be vibrated or pumped into place. It also has positive expansion at high temperatures.

RENO CAST SUPER ABRABE 60Z is a high purity, volume stability, and low porosity which is ideal for contact with iron, steel and slags. It is also recommended for aggregate kilns, cement kiln risers, coolers, curbs or anywhere abrasion or alkali attack is a problem.

SERVICE TEMPERATURE: 3000°F
MATERIAL REQUIRED FOR ESTIMATING: 150 lbs./cu. ft.(cast)
CASTING WATER: 5-6%
PUMPING WATER: 6-7%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Table with 8 columns: Al2O3, SiO2, Fe2O3, TiO2, MgO, CaO, Alkalies, Zircon. Values: 57, 35, 0.9, 1.6, 0.1, 2-3, 0.2, 4-5

TYPICAL PHYSICAL PROPERTIES

Table with 4 columns: Prefired to °F, Modulus of Rupture, psi, Cold Crushing Strength, psi, Linear Change %. Values: 250, 1500, 2500, 2,050, 2,760, 2,100, 8,714, 10,300, 9,700, Nil, -0.4, +0.9

Coefficient of Thermal Expansion: 2.80 x 10-6 in/in/°F
Thermal Conductivity @ 2000°F: 9.1 Btu-in/hr-ft²-°F

ABRASION LOSS AFTER 1000°F: <5 cc (vibrated)
ABRASION LOSS AFTER 1500°F: <5 cc (vibrated)
<7 cc (pumped)

PACKAGING: 55 lb. Bags, 72 Per Pallet (3,960 lbs.)
2,000 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.