



TECHNICAL DATA SHEET

Reno ASAP Gun 80 SiC is a low cement 80% SiC hydraulic bonded alumina gun mix used in applications where the operating conditions are high heat transfer and excellent abrasion resistance is required.

Reno ASAP Gun 80 SiC is the preferred choice for water wall tubes in combustion zones of power boilers where slag resistance and thermal conductivity are required.

Service Temperature: 2800°F / 1537°C
Liquid Type: Water
Water Content: 8.0 to 8.5%

Wt. Required for Estimating: 143 145 lbs./ft³
Storage Life: 6 months

TYPICAL CHEMICAL ANALYSIS (% Calcined Basis)

Table with 7 columns: SiC, Al2O3, SiO2, Fe2O3, TiO2, CaO, Alkalis. Values: 79.7, 8.5, 9.3, 0.2, Trace, 2.0, 0.1

TYPICAL COLD PHYSICAL PROPERTIES

Table with 6 columns: Fired to °F, Cold Modulus of Rupture (psi), Cold Crushing Strength (psi), Density (pcf), Linear Change (%), Abrasion Loss (cc). Values: 1500, 2,000 -3,000, 8,000 - 11,000, 143 - 150, < -0.4, < 10 cc

Table with 6 columns: Fired to °C, Cold Modulus of Rupture (Mpa), Cold Crushing Strength (MPa), Density (kg/m³), Linear Change (%), Abrasion Loss (cc). Values: 815, 13.75 - 20.70, 55 - 76, 2,294 - 2,375, < -0.4, < 10 cc

Table with 3 columns: Mean Temperature, BTU/ft2/hour/°F/inch, W/mK. Values: 1000°F (540°C), 66, 9.52; 1500°F(815°C), 73, 10.53

PACKAGING: 55 lb. (25 Kg) Bags, 72 per Pallet @ 3,960 lbs. (1,800 kg)

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.