



TECHNICAL DATA SHEET

Reno ASAP Gun 60 ABR is a high strength, low cement bonded refractory

- Designed for an accelerated dryout schedule
- Can only be installed by dry gunning

Service Temperature: 3000°F / 1648°C
 Liquid Type: Water
 Required predamp water: ¾ - 1 ¼ qt./100 lb

Wt. Required for Estimating: 155 lbs/ft³
 Storage Life: 6 months

TYPICAL CHEMICAL ANALYSIS (% Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	MgO	Alkalies	Other
58.5	34.0	1.2	1.8	1.1	0.4	0.3	2.5

TYPICAL COLD PHYSICAL PROPERTIES

Prefired to °F	Cold Modulus of Rupture (psi)	Cold Crushing Strength (psi)	Density (pcf)	Porosity (%)	Linear Change (%)	Thermal Cycle Change (%)	.Abrasion Loss (cc)
250	2,795	10,444	157	12.0	0.26		
750	2,657	12,832	156	21.0	-0.08		
1500	2,350	10,293	155	22.5	-0.04		
2000	2,516	11,145	155	22.4	-0.15	0.22	
2500	3,059	12,737	156	20.7	0.11		
2800	2,921	9,778	151	21.4	1.84		
3000	3,126	6,442	150	22.3	1.32		

TYPICAL HOT PHYSICAL PROPERTIES

Prefired to °F	Initial Thermal Expansion (%)	Thermal Conductivity (BTU/ft ² /hr/in/°F)
250		12.8
750		12.2
1500		11.7
2000		11.5
2500		11.3
2800		11.2
3000		11.1

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.