



RENO REFRACTORIES, INC

RENO ROCK BTW PLUS

TECHNICAL DATA SHEET

RENO ROCK BTW PLUS is a very strong resin bonded, waterless plastic containing silicon carbide and carbon. It was specifically developed to withstand the corrosive and erosion conditions in the breast, taphole, trough and well in today's high production cupolas. This product has an improved shelf life compared to standard BTW.

SERVICE TEMPERATURE: 3000°F
MATERIAL REQUIRED FOR ESTIMATING: 180 lbs./cu. ft.

TYPICAL CHEMICAL ANALYSIS (Reducing Conditions)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	SiC + C	Alkalie	Other
61	3.5	0.2	1.3	Nil	27 – 28	0.1	6

TYPICAL PHYSICAL PROPERTIES (Reducing conditions above 250°F)

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
500	3,500	5,250	-1.0
1500	1,070	1,600	-1.0
2000	1,100	1,665	-0.8
2500	1,430	2,145	-0.9
2800	1,588	2,380	-0.8

PACKAGING: 55 lb. Boxes, 60 per Pallet (3300 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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