RENO REFRACTORIES, INC **RENO NC 908**

TECHNICAL DATA SHEET

Reno NC 908 is a tabular alumina based no cement castable with chrome oxide addition.

- Recommended for use in ductile iron contact and in high wear areas.
- Very successful installations in steel tundish slag lines.
- Also recommended for other metal transfer shapes and other extreme applications such as carbon black furnaces.

Service Temperature: 3200ºF
Storage Life: 6 months
Material Required for Estimating: 188 lbs/ft^3
Binder Type: Colloidal Silica
Binder Addition: 8.5-9.0% by weight

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al_2O_3	SiO_2	Fe_2O_3	Cr_2O_3	CaO	Other
89	6.6	0.1	7.6	0.3	0.2

TYPICAL PHYSICAL PROPERTIES

Prefire Temperature (ºF)	Modulus of Rupture (psi)	Cold Crushing Strength (psi)	Density (pcf)	Porosity (%)	Linear Change (%)	Permeability (mdarcy)	Thermal K (Btu/in/ft2/hr)
250	353	2234	187.1	10.2	-0.30	26.7	15.9
750	1135	5,978	187.7	14.9	-0.18	21.8	16.6
1500	2,430	15,800	188.0	16.3	0.00	17.3	17.2
2000	4,493	12,831	189.4	15.6	-0.11	10.4	18.0
2500	4,425	18,330	189.2	14.4	-0.80	15.9	18.6
2800	4597	16,039	189.4	13.8	-0.44	16.5	19.1

Thermal Expansion Coefficient 3.23E-6 in/in/F (ASTM C832)
Thermal Cycle Loss (2000ºF): 50% (ASTM C1171)

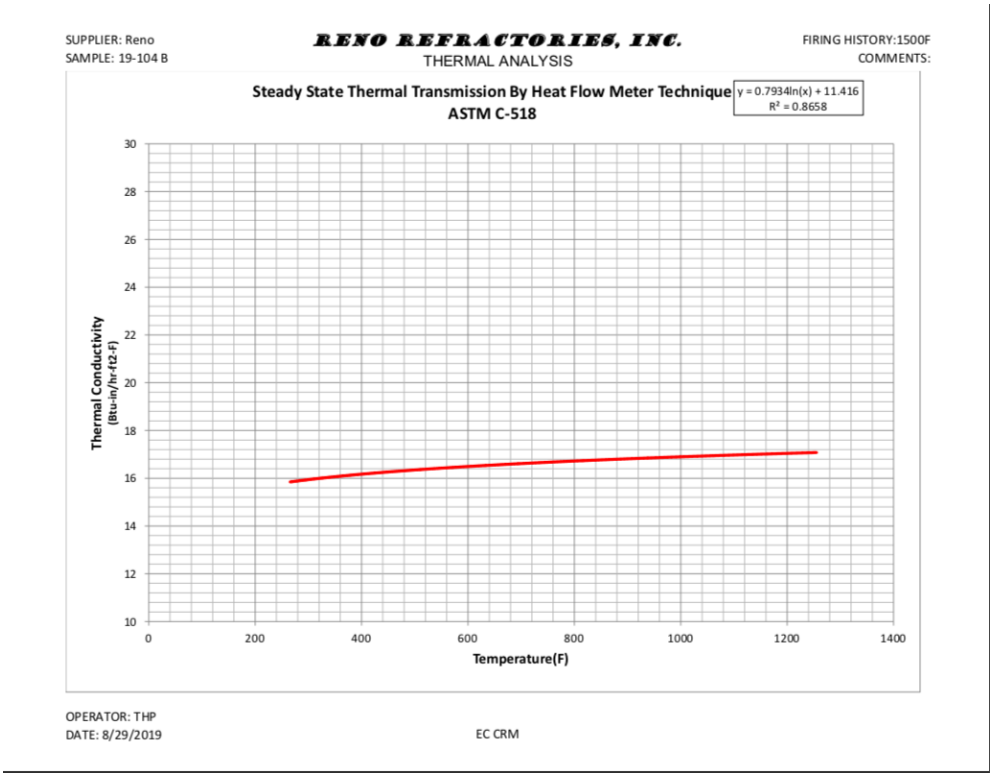
Hot MOR @ 2500ºF: 1374 psi (ASTM C583
Hot MOR @ 2750ºF: 451 psi (ASTM C583

Abrasion Loss After 2500ºF: 2.2 cc (ASTM C704)
Abrasion Loss After 2800ºF: 2.2 cc (ASTM C704)

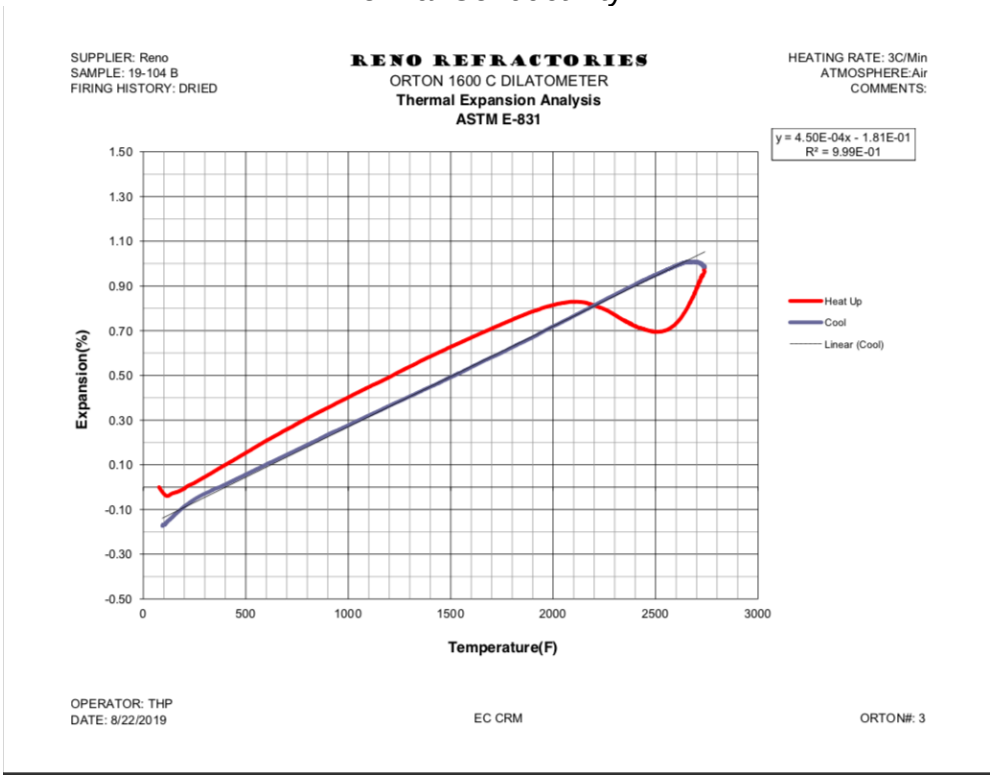
EBCO 19-146 185900 – 12/2/24

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.

Reno Refractories, PO Box 201, Morris, Alabama 35116
205.647.0240 | Toll Free 1.800.741.7366



Thermal Conductivity



Thermal Expansion Coefficient

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