



TECHNICAL DATA SHEET

RENO NC 48 LW is a high strength, low porosity, easy to install, no-cement lightweight insulating castable for use up to 1800°F.

RENO NC 48 LW has minimal shrinkage to resist cracking, giving a true monolithic lining. The nano-technology, no cement, bonding system also imparts excellent chemical and shock resistance.

RENO NC 48 LW features are strength, chemical resistance and low thermal conductivity, which makes it ideal for applications where a strong, energy saving back-up lining is desired.

SERVICE TEMPERATURE:	1800°F
MATERIAL REQUIRED FOR ESTIMATING:	46-48 lbs/cf
BINDER ADDITION:	about 50%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	CaO	Alkalies	Carbon
14	82	2	0.1	0.1	0.2	0.3	0.4

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Density PCF	Cold Crushing Strength,psi	Linear Change %
250	46	700	Nil
800	46	850	-0.1
1,500	47	850	0.0

“K” Factor – BTU/ft²/hr/in/°F

- 500°F – 2.40
- 800°F – 2.60
- 1,000°F – 2.68
- 1,400°F – 2.95
- 1,600°F – 3.10

PACKAGING: 25 lb. Bags, 40 per Pallet (1,000 lbs.)

180900 – 7/10/13

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.