



TECHNICAL DATA SHEET

RENO NC 1010 is an andalucite, aluminum oxide, zircon and silicon carbide, no cement vibrating castable with alkali and thermal shock resistance.

RENO NC 1010 is an excellent material for Cement and Lime industries. Applications include lower preheater cyclones, feed shelf, TAD and bullnose. Also has rapid dry out capability.

SERVICE TEMPERATURE:	2800°F
MATERIAL REQUIRED FOR ESTIMATING:	180 lbs/ft ³
LIQUID ADDITION:	9 - 10% by weight
STORAGE LIFE:	6 Months

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	ZrO ₂	SIC	Fe ₂ O ₃	Orther
63	15	10	10	0.3	1.2

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Density Lbs/ft ³	Porosity %	Linear Change %
250	880 - 1,000	6,250 - 7,550	180	14.8	-0.2
1000	1,190 - 1,214	5,050 - 7,300	180	15.6	0.0
1500	1,400 - 1,840	8,000 - 10,100	180	13.9	0.0
2000	1,644 - 2,050	7,680 - 8,860	179	12.2	0.6
2200	1,575 - 1,840	7,550 - 7,900	180	11.0	0.2
2500	1,600 - 1,825	7,500 - 8,450	180	12.8	0.0

THERMAL SHOCK LOSS after 2000°F: 18.5 % MOR LOSS

ABRASION LOSS After 1500°F:	8.6 cc
ABRASION LOSS After 2200°F:	3.4 cc
ABRASION LOSS After 2500°F:	2.8 cc

PACKAGING: 55 lb. Bags, 72 per Pallet (3,960 lbs.)

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.