

RENO NC 50 COARSE

TECHNICAL DATA SHEET

RENO NC 50 COARSE is a high alumina no-cement material with excellent resistance to thermal shock and abrasion. It is designed to be easily installed by casting. High density, low porosity, high hot strength, and quick dry-out are its unique characteristics.

RENO NC 50 COARSE is recommended for applications for coke oven door plugs, reheat furnace subhearths, tundish back-up linings and covers and cement kiln preheaters and coolers.

SERVICE TEMPERATURE: MATERIAL REQUIRED FOR ESTIMATING: STORAGE LIFE: BINDER ADDITION:		2850°F : 148 lbs/cf 1 year 10 - 11% by w	veight	
TYPICAL CHEMICA	L ANALYSIS (include	s binder) (Calcined	l Basis)	
AI_2O_3	SiO ₂		Fe ₂ O ₃	TiO ₂
50 – 52	46 – 47		0.7 – 0.9	1.0 – 1.7
TYPICAL PHYSICA	L PROPERTIES			
Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %	"K" Factor Btu/ft²/hr/in/°F
250 1,500 2,000 2,500 2,730 ABRASION LOSS A ABRASION LOSS A APPARENT POROS HOT MOR @ 1500°F	fter 2500°F: <6 cc SITY @ 1500°F: 16% 2850°F: 10%	5,000 - 6,250 7,400 - 7,750 7,900 - 10,100 9,000 - 11,445 11,300 - 13,000	Nil +0.1 -0.1 Nil -0.2	500°F – 11.5 1,000°F – 8.5 1,500°F – 6.5 2,000°F – 6.5
THERMAL EXPANSION (MAXIMUM) 2600°F: 0.75%				
PACKAGING: 55 lb. Bags, 72 per Pallet (3960 lbs.)				180800 – 10/11/10
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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