RENO REFRACTORIES, INC

RENO NC PUMP 60

TECHNICAL DATA SHEET

RENO NC PUMP 60 is a high alumina no cement material with excellent resistance to thermal shock and cracking. This material is high in alumina which allows for better thermal conductivity properties. Ease of installation, dry-out, high hot strength and high thermal shock resistance is its unique properties. This material also processes very good strengths at high temperatures. It is designed to be easily installed by casting, pumping or shotcreting.

RENO NC PUMP 60 is recommended for cement kiln applications, iron ladles, tundish back-up linings, precast shapes or other applications where alkali and thermal shock resistance are required.

SERVICE TEMPERATURE: 3000˚F
MATERIAL REQUIRED FOR ESTIMATING: 160 lbs/ft^3
BINDER ADDITION: 9.5 – 11% by weight

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al_2O_3	SiO_2	Fe_2O_3	TiO_2
57 - 62	38 - 42	0.75 – 1.0	1.75 – 2.0

TYPICAL PHYSICAL PROPERTIES

Prefired to ˚F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	650 – 900	3,500 – 4,900	Nil
1500	2,200 – 2,850	7,800 – 9,400	-0.1
2000	1,900 – 2,250	6,300 – 8,800	-0.3
2500	2,100 – 2,350	8,600 – 13,200	-0.2

HOT MOR (ASTM C583) @ 2500°F: 1,631 psi

ABRASION LOSS After 1500˚F: <7 cc
ABRASION LOSS After 2000˚F: <7 cc
ABRASION LOSS After 2500˚F: <6 cc

PACKAGING: 55 lb. Bags, 72 per Pallet (3,960 lbs.)
1,500 lb. Bags, 2 per Pallet (3,000 lbs.)
2,000 lb. Bags, 2 per Pallet (4,000 lbs.)

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