



RENO REFRACTORIES, INC

RENO MAG GUN 92

TECHNICAL DATA SHEET

RENO MAG GUN 92 is a silicate bonded high purity periclase gunning mix with good thermal shock resistance for basic applications at temperatures up to 3100F.

RENO MAG GUN 92 can also be used as a patch material.

SERVICE TEMPERATURE: 3100°F
MATERIAL REQUIRED FOR ESTIMATING: 146 lbs./cu. ft.
STORAGE LIFE: 3-6 months when humidity is kept <50%
WATER ADDITION (GUNNING): Adjust at Nozzle
WATER ADDITION (PATCH): ~17%
POTTABLE TIME: 30 minutes

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

| MgO | Al ₂ O ₃ | SiO ₂ | CaO | Fe ₂ O ₃ |
|---------|--------------------------------|------------------|-------|--------------------------------|
| 91 – 93 | <1 | 3 - 4 | 1 - 2 | <1 |

TYPICAL PHYSICAL PROPERTIES

| Prefired to °F | Modulus of Rupture, psi | Cold Crushing Strength, psi | Linear Change % |
|-------------------|----------------------------|--------------------------------|--------------------|
| 250 | 300 - 500 | 800 – 1,500 | |
| 1500 | 200 - 500 | 500 – 1,000 | -0.2 |
| 2000 | 300 - 500 | 700 – 1,100 | -0.3 |
| 2800 | 1,500 – 2,100 | 4,500 – 6,000 | -2.2 |
| 3000 | 1,100 - 1,600 | 5,000 – 6,000 | -2.3 |

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

22-022 B

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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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