



RENO REFRACTORIES, INC

RENO CAST SUPER ABRABRADE 60

TECHNICAL DATA SHEET

RENO CAST SUPER ABRABRADE 60 is a high alumina, very strong, thermal shock resistant, Mullite based low cement castable. This material exhibits excellent abrasion resistance and high strengths at high temperatures. This material can be easily installed by vibrating, pump casting, or shotcreting.

RENO CAST SUPER ABRABRADE 60 is recommended for applications in cement kiln risers, coolers, curbs or anywhere abrasion is a problem. This is a very good material for below charge door application.

SERVICE TEMPERATURE: 3000°F
MATERIAL REQUIRED FOR ESTIMATING: 150 lbs/cf
CASTING WATER: 6 – 7%
PUMPING WATER: 6.5 – 7.5%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

| Al ₂ O ₃ | SiO ₂ | Fe ₂ O ₃ | TiO ₂ | MgO | CaO | Alk | Other |
|--------------------------------|------------------|--------------------------------|------------------|-----|-----|-----|-------|
| 57.1 | 37.6 | 0.9 | 1.6 | 0.1 | 2.2 | 0.2 | 0.3 |

TYPICAL PHYSICAL PROPERTIES (vibrated)

| Prefired to °F | Modulus of Rupture, psi | Cold Crushing Strength, psi | Linear Change % |
|----------------|-------------------------|-----------------------------|-----------------|
| 250 | 2,490 | 10,900 | Nil |
| 1500 | 2,880 | 11,544 | -0.2 |
| 2500 | 2,530 | 9,044 | +0.6 |

ABRASION LOSS, 1000°F PREFIRED: 4.9 cc (vibrated)

ABRASION LOSS, 1500°F PREFIRED: 3.5 cc (vibrated)
6.1 cc (pumped)

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

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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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