



TECHNICAL DATA SHEET

MO SUPER 3 is a wet, air setting, super duty mortar for temperatures to 3000°F. It forms a strong bond when laying fireclay and insulating firebrick.

MO SUPER 3 has excellent troweling characteristics and is ready to use as received.

SERVICE TEMPERATURE: 3000°F
MATERIAL REQUIRED FOR ESTIMATING: 450 lbs./M 9" Eq.
WATER REQUIRED - TROWELING: Use as received

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

| Al ₂ O ₃ | SiO ₂ | Fe ₂ O ₃ | TiO ₂ | MgO | CaO | Alkalies | Other |
|--------------------------------|------------------|--------------------------------|------------------|-----|-----|----------|-------|
| 44 – 46 | 47 – 49 | 0.9 | 1.7 | 0.4 | 0.1 | 3.3 | 0.7 |

TYPICAL PHYSICAL PROPERTIES

| Prefired to °F | Modulus of Rupture, psi | Cold Crushing Strength, psi | Linear Change % |
|----------------|-------------------------|-----------------------------|-----------------|
| 250 | 500-1000 | 1,400 – 1,750 | -0.5 |
| 1500 | 300 - 450 | 650 – 850 | -0.3 |
| 2000 | 350 – 450 | 700 – 1,200 | -0.3 |
| 2700 | 400 – 500 | 1,050 – 1,500 | -0.2 |

PACKAGING: 60lb. Pails, 48 per Pallet (2,800 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.