

# SUPER #3000® MIX 22 MORTAR

<b>Product Information Sheet</b>	<b>Monolithic Refractory</b>
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SUPER #3000® MIX 22 is a premium quality super duty grade mortar which has become an industry standard. This mortar has exceptional strength at low, intermediate and high temperatures. It is available in a variety of consistencies to meet individual application requirements. Excellent for all types of molten metal applications including aluminum and iron. Excellent mortar for boiler applications.

<b>Service Temperature:</b>	3000 °F	<b>Material Required:</b>	155 lb/ft <sup>3</sup>
<b>Typical Water Required:</b>	-	<b>Maximum Grain Size:</b>	48 Mesh US Sieve

### Chemical Analysis

SiO <sub>2</sub>	TiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO	MgO	Na <sub>2</sub> O + K <sub>2</sub> O	
49.8	1.1	44.8	0.7	0.1	0.1	3.4	

### Typical Physical Properties

Tested in accordance with International and ASTM Standards

Prefired to	Bulk Density	Cold Crushing Strength	Cold Modulus of Rupture	Permanent Linear Change
(°F)	(lb/ft <sup>3</sup> )	(psi)	(psi)	(%)
230	-	-	1300	-
1000	-	-	1100	-
2000	-	-	1100	-

### Other Physical Properties

Tested in accordance with International and ASTM Standards

Prefired to	Apparent Porosity	Thermal Conductivity	Hot Modulus of Rupture	Permanent Volume Change
(°F)	(%)	(Btu.in/h.ft <sup>2</sup> .F)	(psi)	(%)

### Formerly:

<b>Product Number:</b>	LEY30369 MX3 MOR	<b>Revision :</b>	F:00	<b>MSDS Reference :</b>	LEY30369
<b>Drying &amp; Firing :</b>	N/A	<b>Pumping :</b>	N/A	<b>Mixing / Installation :</b>	N/A
<b>Shotcreting :</b>	N/A			<b>Effective Date:</b>	09/24/2010

The physical and/or chemical properties and specifications of the product set forth above represent typical average results obtained in accordance with generally accepted standard test methods conducted under controlled conditions, and are subject to normal manufacturing variations. Vesuvius reserves the right to modify the properties and specifications at any time without prior notice.

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