

# SUPER 3000

## Product Information Sheet

## Monolithic Refractory

A premium quality, super duty mortar. Exceptional strength is achieved at low, intermediate and high temperatures. Used for all types of molten metal applications including steel, iron, aluminium and other non-ferrous metals. Mortar required/1000 stds: 136-160kgs.

**Maximum Service Temp:** 1650°C

**Maximum Grain Size:**

**Standard Packaging\*:** Drum - 25kg

**Estimated Coverage\*\*:**

**Initial Heat Up Schedule:** na

**Water Addition:** NA

**Reversible Thermal**

**Expansion @ 1000°C:** NA

**Curing Time:** NA

**Storage Life:** Up to 6 Months

**Setting:** Air

**Abrasion Loss:** NA

**ASTM C704**

### Chemical Analysis

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	CaO	Alkalies	Other	
47	47	1	1.3			3.45	

### Typical Physical Properties:

Prefired To	Bulk Density	Cold Crushing Strength	Cold Modulus of Rupture	Permanent Linear Change
°C	kg/m <sup>3</sup>	MPa	MPa	%
110	-	-	9.00	-
540	-	-	7.50	-
1100	-	-	7.50	-

### Other Physical Properties

Prefired To	Apparent Porosity	Thermal Conductivity	Hot Modulus of Rupture	Permanent Volume Change
°C	%	W/mK	MPa	%
110	-	-	-	-
540	-	-	-	-
1100	-	-	-	-

**Formerly:**

**Product Number:** LEY10235

**MSDS Reference:** SUPER 3000 msds

**Effective Date:** Dec-08

**Revision:** 0

\*Please enquire for other packaging options

\*\*Estimated coverage on gungrades does not include rebound

The physical and/or chemical properties and specifications of the product set forth above represent typical average results obtained in accordance with generally accepted Australian 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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Form No.: CP053

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