

# X9 PLASTER

## Product Information Sheet

## Monolithic Refractory

A high alumina phosphate bonded plaster for general repairs where a high alumina product is required.

**Maximum Service Temp:** 1800°C  
**Maximum Grain Size:** 1.0 mm  
**Standard Packaging\*:** Drum - 25kg  
**Estimated Coverage\*\*:** 2860 kg/m<sup>3</sup>  
**Initial Heat Up Schedule:**  
**Water Addition:** n/a

**Reversible Thermal Expansion @ 1000°C:** n/a  
**Curing Time:** n/a  
**Storage Life:** 3 Months  
**Setting:** Chemical / Heat  
**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	P2O5	
91	6	0.1	0.1	0.1	0.2	2	

### Typical Physical Properties: On rammed samples

Prefired To	Bulk Density	Cold Crushing Strength	Cold Modulus of Rupture	Permanent Linear Change
°C	kg/m <sup>3</sup>	MPa	MPa	%
110	2600	10.00	-	-
1000	2600	35.00	-	-0.10
1500	2680	60.00	-	-1.00

### Other Physical Properties

Prefired To	Apparent Porosity	Thermal Conductivity	Hot Modulus of Rupture	Permanent Volume Change
°C	%	W/mK	MPa	%
110	-	-	-	-
1000	-	-	-	-
1500	-	-	-	-

**Formerly:** PROVISIONAL DATA

**Product Number:** LPA70441

**Effective Date:** 9/2008

**MSDS Reference:**

**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 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.

NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS INFORMATION, THE SUITABILITY OF THE PRODUCT FOR A PARTICULAR PURPOSE, OR THE RESULTS TO BE OBTAINED BY THE USE OF THE PRODUCT. USERS EXPRESSLY ASSUME ALL RISKS AND LIABILITIES ARISING FROM THE USE OF OR RELIANCE UPON THIS INFORMATION.

**UNCONTROLLED COPY**

