

# CERCAST A1400

## Product Information Sheet

## Monolithic Refractory

A medium alumina, coarse general purpose castable.

**Maximum Service Temp:** 1400°C  
**Maximum Grain Size:** 8.0 mm  
**Standard Packaging\*:** Sack - 25kg  
**Estimated Coverage\*\*:** 2050 kg/m<sup>3</sup>  
**Initial Heat Up Schedule:** B  
**Water Addition:** 12-14%

**Reversible Thermal Expansion @ 1000°C:** 0.6%  
**Curing Time:** 24 Hrs  
**Storage Life:** 12 Months  
**Setting:** Hydraulic  
**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		
48	40	1.8	1.6	7	0.2		

### Typical Physical Properties: On cast samples

Prefired To	Bulk Density	Cold Crushing Strength	Cold Modulus of Rupture	Permanent Linear Change
°C	kg/m <sup>3</sup>	MPa	MPa	%
110	2100	30.00	-	-0.08
815	2050	20.00	-	-0.10
1200	2000	15.00	-	-0.40

### Other Physical Properties

Prefired To	Apparent Porosity	Thermal Conductivity	Hot Modulus of Rupture	Permanent Volume Change
°C	%	W/mK	MPa	%
110	-	-	-	-
815	-	0.98	-	-
1200	-	-	-	-

**Formerly:** KINGCAST A1400

**Product Number:** LEA70921

**Effective Date:** 1/2009

**MSDS Reference:** CONCASMA

**Revision:** 06

\*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.

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