

CERCAST 1600AR

Product Information Sheet

Monolithic Refractory

A high alumina conventional low iron castable, exhibiting good strengths, abrasion resistance and dimensional stability.

Maximum Service Temp: 1600° C
Maximum Grain Size: 7 mm
Standard Packaging*: Sack - 25kg
Estimated Coverage:** 2250 kg/m³
Initial Heat Up Schedule: B
Water Addition: 9.5-10.5%

Reversible Thermal Expansion @ 1000° C: 0.65%
Curing Time: 24 Hrs
Storage Life: 12 Months
Setting: Hydraulic
Abrasion Loss: 12-15cc
ASTM C704

Chemical Analysis

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	Alkalies		
62	31	0.7	1.3	4	0.3		

Typical Physical Properties: On cast samples

Prefired To	Bulk Density	Cold Crushing Strength	Cold Modulus of Rupture	Permanent Linear Change
° C	kg/m ³	MPa	MPa	%
110	2350	50.00	11.00	-0.05
1100	2200	40.00	7.00	-0.10
1400	2200	35.00	6.50	0.00

Other Physical Properties

Prefired To	Apparent Porosity	Thermal Conductivity	Hot Modulus of Rupture	Permanent Volume Change
° C	%	W/mK	MPa	%
110	-	-	-	-
1100	-	0.98	-	-
1400	-	1.12	-	-

Formerly: Plicast 1600AR

Product Number: LEA71506

Effective Date: 1/2008

MSDS Reference: CONCASMA

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.

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