



Revision: A.00

CERCAST 1650
TS LEA10122A MX1A CASB

**Monolithic
Refractory
Product Information**

Date: 16 Dec 2019

A super duty, low iron castable exhibiting good strengths and volume stability.

Service Temperature:	1650 °C	Material Required:	2100 kg/m ³
Typical Water Required:	8.5 - 9.5 %	Maximum Grain Size:	7 mm
Reversible Thermal Expansion, 20 to 1000°C:	0.60 %	Shelf Life:	12 months

Chemical Analysis

SiO₂	TiO₂	Al₂O₃	Fe₂O₃	CaO	Alkali
39.0	1.5	53.0	0.7	6.0	0.2

Typical Physical Properties

Tested in accordance with Australian Standards

Prefired to (°C)	Bulk Density (kg/m³)	Cold Crushing Strength (N/mm²)	Cold Modulus of Rupture (N/mm²)	Permanent Linear Change (%)
110	2270	50.0	10.0	-0.05
1100	2100	25.0	4.0	-0.20
1300	2100	35.0	8.0	+0.25

Other Physical Properties

Tested in accordance with Australian Standards

Prefired to (°C)	Apparent Porosity (%)	Thermal Conductivity (W/m.K)	Hot Modulus of Rupture (N/mm²)	Permanent Volume Change (%)
1100	-	1.14	-	-

Formerly: PLICAST 1650

Drying & Firing:	LEA.7802	Installation Method:	N/A	Mixing / Installation:	LEA.7101
Shotcreting:	N/A	Pumping:	N/A	MSDS Reference:	CERCAST 1650 SDS

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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