



# CERCAST 1800

## TS LEA10159A MX1A CASB

Monolithic  
Refractory  
Product Information

Revision: B.00

Date: 16 Dec 2019

A high purity, low iron castable exhibiting good resistance to abrasion and chemical attack.

Service Temperature:	1800 °C	Material Required:	2600 kg/m <sup>3</sup>
Typical Water Required:	8.0 - 9.0 %	Maximum Grain Size:	4 mm
Reversible Thermal Expansion, 20 to 1000°C:	0.85 %	Abrasion Resistance C-704:	< 10 CC
		Shelf Life:	12 months

### Chemical Analysis

SiO <sub>2</sub>	TiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO	Alkali
0.1	0.1	95.5	0.1	3.7	0.4

### Typical Physical Properties

Tested in accordance with Australian Standards

Prefired to (°C)	Bulk Density (kg/m <sup>3</sup> )	Cold Crushing Strength (N/mm <sup>2</sup> )	Cold Modulus of Rupture (N/mm <sup>2</sup> )	Permanent Linear Change (%)
110	2700	55.0	12.0	-0.05
1100	2600	35.0	10.0	+0.10
1400	2630	70.0	12.0	-0.20

### Other Physical Properties

Tested in accordance with Australian Standards

Prefired to (°C)	Apparent Porosity (%)	Thermal Conductivity (W/m.K)	Hot Modulus of Rupture (N/mm <sup>2</sup> )	Permanent Volume Change (%)
1100	26.0	1.65	-	-
1400	25.0	-	-	-

Formerly: PLICAST 1800

Drying & Firing:	LEA.7802	Installation Method:	N/A	Mixing / Installation:	LEA.7101
Shotcreting:	N/A	Pumping:	N/A	MSDS Reference:	25-1115

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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