



Revision: A.00

**CERCAST 1600XF  
TS LEA70462 MX7 CASB****Monolithic  
Refractory  
Product Information**

Date: 19 Mar 2019

A super duty castable. Designed for improved ease of installation compared to castables of conventional design.

<b>Service Temperature:</b>	1600 °C	<b>Material Required:</b>	2230 kg/m <sup>3</sup>
<b>Typical Water Required:</b>	7.3 - 7.8 %	<b>Maximum Grain Size:</b>	7 mm
<b>Reversible Thermal Expansion, 20 to 1000°C:</b>	0.60 %	<b>Shelf Life:</b>	6 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
41.0	1.5	51.0	0.7	4.7	0.2

**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	2310	70.0	15.0	-0.05
1100	2230	40.0	7.0	-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/mm <sup>2</sup> )	Permanent Volume Change (%)
1100	22.5	1.15	-	-

**Formerly:**

Drying & Firing:	LEA.7802	Installation Method:	N/A	Mixing / Installation:	LEA.7101
Shotcreting:	N/A	Pumping:	N/A	MSDS Reference:	CERCAST 1600XF 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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