



# CGT 1600M TS LEA72553 MX7 CASB

Monolithic Refractory  
Product Information

Revision: B.00

Date: 13 Jun 2018

CGT 1600M is a versatile refractory material that can be cast, gunned or trowelled.

<b>Service Temperature:</b>	1600 °C	<b>Material Required:</b>	2000 kg/m <sup>3</sup>
<b>Typical Water Required:</b>	11.5-12.5 %	<b>Maximum Grain Size:</b>	4 mm
<b>Trowelling Consistency:</b>	13.5-14.5 %	<b>Shelf Life:</b>	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
42.0	1.8	49.0	0.9	5.8	0.3

## 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	2050	40.0	10.0	-0.05
1000	2000	22.0	4.0	-0.20
1500	2050	70.0	16.0	-1.0

## 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 (%)
1000	28.0	0.90	-	-
1500	22.5	-	-	-

## Formerly:

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