



**CGT 1200**  
**TS LEN71546 MX7 CASB**

**Monolithic Refractory**  
**Product Information**

Revision: B.00

Date: 02 Feb 2018

A versatile light weight refractory suitable for cast, gunned or trowelled use. Designed for insulating backup linings. Refer to separate sheet for additional typical properties.

<b>Service Temperature:</b>	1200 °C	<b>Material Required:</b>	950 kg/m <sup>3</sup>
<b>Typical Water Required:</b>	50 - 54 %	<b>Maximum Grain Size:</b>	5 mm
<b>Trowelling Consistency:</b>	55 - 60 %	<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	MgO	Alkali
30.0	2.0	42.0	3.0	17.0	4.5	1.6

**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	1050	2.5	1.0	-0.2
1000	950	1.0	0.5	-1.3

**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	-	0.27	-	-

Physical Properties on CAST Samples

**Formerly:**

Drying & Firing:	LEA.7802	Installation Method:	N/A	Mixing / Installation:	LEN.7302
Shotcreting:	N/A	Pumping:	N/A	MSDS Reference:	CGT 1200 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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