



Revision: A.00

SURCAST 65P-RT

TS LEB31815A MX3 CASB

**Monolithic
Refractory
Product Information**

Date: 08 Mar 2019

SURCAST 65P-RT is a high alumina, low cement castable with high density and low porosity, resulting in high strengths, and excellent alkali resistance. SURCAST 65P-RT is designed for pumping to facilitate field installation. It is capable of being fast fired with a minimum curing.

Service Temperature:	1750 °C	Material Required:	2480 kg/m ³
Typical Water Required:	6.0 - 6.5 (Pump) 5.3 - 5.8 (Cast) %	Maximum Grain Size:	7 mm
Reversible Thermal Expansion, 20 to 1000°C:	0.60 %	Abrasion Resistance C-704:	4 - 7 CC
		Shelf Life:	6 months

Chemical Analysis

SiO ₂	TiO ₂	Al ₂ O ₃	Fe ₂ O ₃	CaO	Alkali
32.5	1.5	63.0	0.8	1.8	0.2

Typical Physical Properties

Tested in accordance with Australian Standards

Prefired to (°C)	Bulk Density (kg/m ³)	Cold Crushing Strength (N/mm ²)	Cold Modulus of Rupture (N/mm ²)	Permanent Linear Change (%)
110	2560	90.0	17.0	-0.05
1100	2480	105.0	18.0	-0.35
1400	2450	130.0	25.0	+0.40

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 ²)	Permanent Volume Change (%)
1100	15.5	-	-	-
1400	17.0	-	-	-

Formerly:

Drying & Firing:	LEB.7806	Installation Method:	N/A	Mixing / Installation:	LEB.7104
Shotcreting:	N/A	Pumping:	N/A	MSDS Reference:	SURCAST 65P-RT 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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