

CERCAST™ 3000 CASTABLE

Product Information Sheet

Monolithic Refractory

CERCAST™ 3000 is a high alumina, low iron castable that can be cast or gunned. It has excellent spalling and abrasion resistance as well as high strengths and volume stability.

Service Temperature: 3000 °F **Material Required:** 131 lb/ft³
Typical Water Required: 10.0 % **Maximum Grain Size:** -

Chemical Analysis

SiO ₂	TiO ₂	Al ₂ O ₃	Fe ₂ O ₃	CaO	MgO	Na ₂ O + K ₂ O	
37.9-41.9	1.15-1.65	52.9-57.9	0.55-1.05	2.85-3.35	0-0.3	0-0.4	

Typical Physical Properties

Tested in accordance with International and ASTM Standards

Prefired to	Bulk Density	Cold Crushing Strength	Cold Modulus of Rupture	Permanent Linear Change
(°F)	(lb/ft ³)	(psi)	(psi)	(%)
230	138	2550	700	0.0
1500	131	2200	500	-0.2
2000	130	1550	600	-0.3
2400	-	-	1750	-
2500	124	3650	-	1.0
3000	128	8750	2400	0.8

Other Physical Properties

Tested in accordance with International and ASTM Standards

Prefired to	Apparent Porosity	Thermal Conductivity	Hot Modulus of Rupture	Permanent Volume Change
(°F)	(%)	(Btu.in/h.ft ² .F)	(psi)	(%)
230	-	9.3	-	-
1500	-	6.2	-	-
2000	-	6.4	535	-
2500	-	-	265	-

Formerly: SUPER CASTABLE No. 32®

Product Number: LEA10224 MX1N CASB

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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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