

# MOLDIT® D CASTABLE

## Product Information Sheet

## Monolithic Refractory

MOLDIT® D Castable is a general purpose super duty casting material designed as an economical refractory for furnaces and flue system applications in incinerators, HPI heaters, combustion chambers, power plant ash hoppers, mineral processing, reheat furnaces and molten metal units.

**Service Temperature:** 2500 °F

**Material Required:** 118 lb/ft<sup>3</sup>

**Typical Water Required:** 13 %

**Maximum Grain Size:** -

### 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	Na <sub>2</sub> O + K <sub>2</sub> O	Other
46.3-51.3	0.2-0.6	36-40	2.75-3.25	7.55-9.05	0-0.4	0.55-1.05	0.3-0.7

### 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 <sup>3</sup> )	(psi)	(psi)	(%)
230	127	3645	1115	-0.4
1000	121	3015	615	-0.1
1500	119	3050	600	-0.1
2000	-	2340	590	-0.2
2400	-	3235	1380	0.5
2500	-	7005	1920	-1.0

### 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 <sup>2</sup> .F)	(psi)	(%)
230	-	6.8	-	-
1000	-	5.8	-	-
1500	-	5.9	625	-
2000	-	6.3	210	-
2300	-	-	150	-
2500	-	-	40	-

Formerly: MOLDIT® D

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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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