



**VARSHA**  
REFRATORIES PVT. LTD.



**ULTRA LOW CEMENT CASTABLE**

**PRODUCT:** ULTRAMON 45  
**TYPE:** 45 % ALUMINA ULC CASTABLE  
**NATURE OF BOND:** HYDRAULIC  
**INSTALLATION:** VIBRATION CASTING

**GENERAL PROPERTIES**

MAX. SERVICE TEMPERATURE: 1550 °C  
MAXIMUM GRAIN SIZE: 6 mm  
WATER REQUIRED FOR CASTING: 5.5 – 6.2 %

**CHEMICAL ANALYSIS, %**

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Al <sub>2</sub> O <sub>3</sub>	45.00 – 47.40	46.00	BIS 12107 Part 3
CaO	0.80 – 1.10	1.00	ASTM C 573
Fe <sub>2</sub> O <sub>3</sub>	0.6 – 1.0	0.90	BIS 12107 Part 6

**PHYSICAL PROPERTIES**

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Dry density, g / cc after drying at 110 °C / 24 hrs	2.30 – 2.42	2.33	BIS 10570
CCS, kg/cm <sup>2</sup> after drying at 110 °C / 24 hrs	375 – 475	450	BIS 10570
after heating at 1100 °C / 3 hrs	800 – 900	880	BIS 10570
after heating at 1500 °C / 3 hrs	900 – 1000	980	BIS 10570
% Retained on maximum size	0 – 5	0.8	BIS 1528 Part 14

**THERMAL PROPERTIES**

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Refractoriness, Orton / °C		32 / 1717	BIS 1528 Part 1
PLC, % after heating at 1100 °C / 3 hrs	(- 0.10) to (-0.40)	-0.20	BIS 10570
after heating at 1500 °C / 3 hrs	(- 1.00) to (-2.30)	-1.50	BIS 10570

**Packaging: 50 kg bags**

**Delivery State: Dry**

**Storage Life:** Best till 3 months from the date of production, if stored in proper condition.

**Note:**

- (1) The data are current production averages. They can not be used as limits for specification.
- (2) Extended Storage Life can be achieved when the product is supplied in 2 – pack.

**AUTH. CHANNEL PARTNER - VARSHA REFRATORIES PVT. LTD.**

Address : 04, Kailash Appt. R P Road, Near D Mart, Old RTO Compound, Behind Gurudev Hotel, Kalyan (W) 421301 Tel : 0251-2314832 / 2318832 Fax : 2314831

Email : refractory9@gmail.com Website : www.varsharefractories.com