



**VARSHA**  
REFRACTORIES PVT. LTD.



**LOW CEMENT CASTABLE**

**PRODUCT** : ACCMON 90  
**TYPE** : 90% ALUMINA LC CASTABLE  
**NATURE OF BOND** : HYDRAULIC  
**INSTALLATION** : VIBRATION CASTING

**GENERAL PROPERTIES**

MAX. SERVICE TEMPERATURE: 1700 °C  
MAXIMUM GRAIN SIZE: 6 mm  
WATER REQUIRED FOR CASTING: 4.0 – 5.0%

**CHEMICAL ANALYSIS, %**

|                                | RANGE       | TYPICAL VALUE | TEST PROCEDURE   |
|--------------------------------|-------------|---------------|------------------|
| Al <sub>2</sub> O <sub>3</sub> | 87 – 91     | 88.2          | BIS 12107 Part 3 |
| Fe <sub>2</sub> O <sub>3</sub> | 0.90 – 1.50 | 1.10          | BIS 12107 Part 6 |
| CaO                            | 1.80 – 2.50 | 2.10          | ASTM C 573       |

**PHYSICAL PROPERTIES**

|  | RANGE       | TYPICAL VALUE | TEST PROCEDURE   |
|--|-------------|---------------|------------------|
| Dry density, g / cc<br>after drying at 110 °C / 24 hrs     | 2.95 – 3.05 | 3.05          | BIS 10570        |
| CCS, kg/cm <sup>2</sup><br>after drying at 110 °C / 24 hrs | 800 – 1000  | 983           | BIS 10570        |
| after heating at 1100 °C / 3 hrs                           | 900 – 1200  | 1196          | BIS 10570        |
| after heating at 1550 °C / 3 hrs                           | 1100 – 1250 | 1235          | BIS 10570        |
| % Retained on maximum size                                 | 0 – 5       | 3.0           | BIS 1528 Part 14 |

**THERMAL PROPERTIES**

|  | RANGE         | TYPICAL VALUE | TEST PROCEDURE  |
|--|---------------|---------------|-----------------|
| Refractoriness, Orton / °C                 |               | + 37 / + 1820 | BIS 1528 Part 1 |
| PLC, %<br>after heating at 1550 °C / 3 hrs | +1.80 to –0.5 | +1.42         | BIS 10570       |

**Packaging: 50 kg bags**

**Delivery State: Dry**

**Storage Life:** Best till 6 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