

<b>PRODUCT:</b>	<b>ACCMON 45</b>
<b>PRODUCT CLASS:</b>	<b>REFRACTORY MONOLITHIC</b>
<b>TYPE:</b>	<b>45 % ALUMINA LC CASTABLE</b>
<b>NATURE OF BOND:</b>	<b>HYDRAULIC</b>
<b>INSTALLATION:</b>	<b>VIBRATION CASTING</b>

### GENERAL PROPERTIES

MAX. SERVICE TEMPERATURE:	1550 °C
MAXIMUM GRAIN SIZE:	6 mm
WATER REQUIRED FOR CASTING:	6.0 – 6.6 %

### CHEMICAL ANALYSIS, %

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Al <sub>2</sub> O <sub>3</sub>	45.0 – 47.5	46.5	BIS 12107 Part 3
CaO	1.5 – 2.0	1.8	ASTM C 573
Fe <sub>2</sub> O <sub>3</sub>	0.9 – 1.25	1.06	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	2.32	BIS 10570
CCS, kg/cm <sup>2</sup> after drying at 110 °C / 24 hrs	600 – 700	640	BIS 10570
after heating at 1100 °C / 3 hrs	800 – 900	870	BIS 10570
after heating at 1500 °C / 3 hrs	900 – 1050	1010	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)	-0.15	BIS 10570
after heating at 1500 °C / 3 hrs	(- 1.00) to (-2.40)	-1.50	BIS 10570

**Packaging: 25 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.