



**SELF FLOW CASTABLE**

<b>PRODUCT:</b>	<b>FLOWMON 45 L</b>
<b>TYPE:</b>	<b>45 % ALUMINA SELF FLOW CASTABLE (LC)</b>
<b>NATURE OF BOND:</b>	<b>HYDRAULIC</b>
<b>INSTALLATION:</b>	<b>POURING</b>

**GENERAL PROPERTIES**

MAX. SERVICE TEMPERATURE:	1550 °C
MAXIMUM GRAIN SIZE:	6 mm
WATER REQUIRED FOR CASTING:	7.5 – 8.5 %

**CHEMICAL ANALYSIS, %**

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Al <sub>2</sub> O <sub>3</sub>	44.00 – 49.00	48.2	BIS 12107 Part 3
CaO	1.50 – 1.80	1.65	ASTM C 573
Fe <sub>2</sub> O <sub>3</sub>	0.75 – 1.00	0.88	BIS 12107 Part 6

**PHYSICAL PROPERTIES**

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Dry density, g / cc after drying at 110 °C / 24 hrs	2.25 – 2.25	2.30	BIS 10570
CCS, kg/cm <sup>2</sup> after drying at 110 °C / 24 hrs	250 – 550	450	BIS 10570
after heating at 1100 °C / 3 hrs	400 - 600	470	BIS 10570
after heating at 1500 °C / 3 hrs	700 – 950	880	BIS 10570
% Retained on maximum size	0 – 5	1.0	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)	-0.21	BIS 10570
after heating at 1500 °C / 3 hrs	(- 1.20) to (-2.00)	-1.60	BIS 10570

**Packaging: 25 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.

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