



SELF FLOW CASTABLE

PRODUCT: FLOWMON 80 L
TYPE: 80 % ALUMINA SELF FLOW CASTABLE (LC)
NATURE OF BOND: HYDRAULIC
INSTALLATION: POURING

GENERAL PROPERTIES

MAX. SERVICE TEMPERATURE: 1650 °C
MAXIMUM GRAIN SIZE: 6 mm
WATER REQUIRED FOR CASTING: 5.3 – 6.0 %

CHEMICAL ANALYSIS, %

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Al ₂ O ₃	78.50 – 81.50	80.2	BIS 12107 Part 3
CaO	1.50 – 1.90	1.70	ASTM C 573
Fe ₂ O ₃	1.10 – 1.50	1.35	BIS 12107 Part 6

PHYSICAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Dry density, g / cc after drying at 110 °C / 24 hrs	2.58 – 2.70	2.62	BIS 10570
CCS, kg/cm ² after drying at 110 °C / 24 hrs	550 – 750	660	BIS 10570
after heating at 1100 °C / 3 hrs	450 – 650	580	BIS 10570
after heating at 1550 °C / 3 hrs	750 – 1000	850	BIS 10570
% Retained on maximum size	0 – 5	0.8	BIS 1528 Part 14

THERMAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Refractoriness, Orton / °C		+ 37 / + 1820	BIS 1528 Part 1
PLC, % after heating at 1100 °C / 3 hrs	(+ 0.20) to (-0.40)	-0.24	BIS 10570
after heating at 1550 °C / 3 hrs	(- 0.80) to (-1.85)	-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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