



ULTRA LOW CEMENT CASTABLE

PRODUCT: ULTRAMON 80
TYPE: 80 % ALUMINA ULC CASTABLE
NATURE OF BOND: HYDRAULIC
INSTALLATION: VIBRATION CASTING

GENERAL PROPERTIES

MAX. SERVICE TEMPERATURE: 1700 °C
MAXIMUM GRAIN SIZE: 6 mm
WATER REQUIRED FOR CASTING: 4.5 – 5.2 %

CHEMICAL ANALYSIS, %

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Al ₂ O ₃	78.00 – 81.00	79.5	BIS 12107 Part 3
CaO	0.80 – 1.10	1.00	ASTM C 573
Fe ₂ O ₃	2.00 – 2.70	2.65	BIS 12107 Part 6

PHYSICAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Dry density, g / cc after drying at 110 °C / 24 hrs	2.80 – 2.95	2.85	BIS 10570
CCS, kg/cm ² after drying at 110 °C / 24 hrs	450 – 500	480	BIS 10570
after heating at 1100 °C / 3 hrs	850 – 1000	980	BIS 10570
after heating at 1550 °C / 3 hrs	1100 – 1250	1230	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	(+0.3) to (-0.3)	-0.15	BIS 10570
after heating at 1550 °C / 3 hrs	(- 1.5) to (+1.5)	+1.30	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.

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