

PRODUCT: WHYTHEAT A
TYPE: HIGH ALUMINA DENSE CASTABLE
NATURE OF BOND: HYDRAULIC
INSTALLATION: VIBRATION CASTING

GENERAL PROPERTIES

MAX. SERVICE TEMPERATURE: 1700 °C
 MAXIMUM GRAIN SIZE: 5 mm
 WATER REQUIRED FOR CASTING: 8.0 – 10.0 %

CHEMICAL ANALYSIS, %

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Al ₂ O ₃	85.00 – 88.00	85.8	BIS 12107 Part 3
CaO	5.8 – 6.5	6.2	ASTM C 573
Fe ₂ O ₃	1.2 – 1.8	1.6	BIS 12107 Part 6

PHYSICAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Dry density, g / cc after drying at 110 °C / 24 hrs	2.65 – 2.80	2.73	BIS 10570
CCS, kg/cm ² after drying at 110 °C / 24 hrs	600 – 700	640	BIS 10570
after heating at 1100 °C / 3 hrs	300 – 400	350	BIS 10570
after heating at 1550 °C / 3 hrs	650 – 800	750	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	(- 0.40) to (+0.20)	-0.15	BIS 10570
after heating at 1550 °C / 3 hrs	(- 1.2) to (-2.5)	-1.80	BIS 10570

Packaging: 50 kg bags

Delivery State: Dry

Storage Life: Best till 9 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.