

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

GENERAL PROPERTIES

MAX. SERVICE TEMPERATURE:	1650 °C
MAXIMUM GRAIN SIZE:	5 mm
WATER REQUIRED FOR CASTING:	9.0 – 10.5 %

CHEMICAL ANALYSIS, %

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Al ₂ O ₃	82.0 – 84.0	82.5	BIS 12107 Part 3
Fe ₂ O ₃	2.00 – 2.50	2.15	BIS 12107 Part 6
CaO	6.5 – 7.00	6.80	ASTM C 573

PHYSICAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Dry density, g / cc after drying at 110 °C / 24 hrs	2.60 – 2.75	2.65	BIS 10570
CCS, kg/cm ² after drying at 110 °C / 24 hrs	500 – 700	625	BIS 10570
after heating at 1100 °C / 3 hrs	300 – 400	320	BIS 10570
after heating at 1400 °C / 3 hrs	550 – 700	650	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	(- 0.4) to (+ 0.2)	- 0.30	BIS 10570
after heating at 1400 °C / 3 hrs	(- 1.0) to (- 2.0)	- 1.20	BIS 10570

Packaging: 25 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.