

PRODUCT: WHYTHER C
TYPE: 50 % ALUMINA DENSE CASTABLE
NATURE OF BOND: HYDRAULIC
INSTALLATION: VIBRATION CASTING

GENERAL PROPERTIES

MAX. SERVICE TEMPERATURE: 1500 °C
 MAXIMUM GRAIN SIZE: 5 mm
 WATER REQUIRED FOR CASTING: 10.5 -11.5 %

CHEMICAL ANALYSIS, %

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Al ₂ O ₃	48 – 52	50.5	BIS 12107 Part 3
CaO	4.2 – 4.9	4.50	ASTM C 573
Fe ₂ O ₃	0.8 – 1.5	1.20	BIS 12107 Part 6

PHYSICAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Dry density, g / cc after drying at 110 °C / 24 hrs	2.10 – 2.25	2.17	BIS 10570
CCS, kg/cm ² after drying at 110 °C / 24 hrs	350 – 430	380	BIS 10570
after heating at 1100 °C / 3 hrs	180 – 280	220	BIS 10570
after heating at 1500 °C / 3 hrs	530 – 680	610	BIS 10570
% Retained on maximum size	0 – 5	1.0	BIS 1528 Part 14

THERMAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Refractoriness, Orton / °C		30 / 1665	BIS 1528 Part 1
PLC, % after heating at 1100 °C / 3 hrs	(- 0.4) to (+0.2)	-0.15	BIS 10570
after heating at 1500 °C / 3 hrs	(- 1.0) to (-2.5)	-1.50	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.