

PRODUCT:	THERMOCRETE SUPER
PRODUCT CLASS:	REFRACTORY MONOLITHIC
TYPE:	60% ALUMINA CASTABLE
NATURE OF BOND:	HYDRAULIC
INSTALLATION:	VIBRATION CASTING

GENERAL PROPERTIES

MAX. SERVICE TEMPERATURE:	1350 °C
MAXIMUM GRAIN SIZE:	5 mm
WATER REQUIRED FOR CASTING:	9.5 – 12 %

CHEMICAL ANALYSIS, %

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Al ₂ O ₃	52.5 – 57.5	54.2	BIS 12107 Part 3
Fe ₂ O ₃	4.5 – 5.8	5.0	BIS 12107 Part 6

PHYSICAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Dry density, g / cc after drying at 110 °C / 24 hrs	2.25 – 2.40	2.32	BIS 10570
CCS, kg/cm ² after drying at 110 °C / 24 hrs	250 – 350	280	BIS 10570
after heating at 1100 °C / 3 hrs	160 – 230	205	BIS 10570
after heating at 1300 °C / 3 hrs	250 – 350	295	BIS 10570
% Retained on maximum size	0 – 5	0.8	BIS 1528 Part 14

THERMAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Refractoriness, Orton / °C		20 / 1564	BIS 1528 Part 1
PLC, % after heating at 1100 °C / 3 hrs	(- 0.40) to (+0.30)	-0.18	BIS 10570
after heating at 1300 °C / 3 hrs	(- 1.50) to (+1.80)	+1.28	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.