

PRODUCT:	WHYTHEAT C PATCH
PRODUCT CLASS:	REFRACTORY MONOLITHIC
TYPE:	45% ALUMINA PATCHING / TROWELLING MATERIAL
NATURE OF BOND:	HYDRAULIC
INSTALLATION:	TROWELLING

GENERAL PROPERTIES

MAX. SERVICE TEMPERATURE:	1400 °C
MAXIMUM GRAIN SIZE:	3 mm
WATER REQUIRED FOR TROWELLING CONSISTENCY:	14.0 – 16.0 %

CHEMICAL ANALYSIS, %

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Al ₂ O ₃	45.0 – 48.0	47.0	IS 12107 Part 3
CaO	4.0 – 5.0	4.4	ASTM C 573
Fe ₂ O ₃	0.8 – 1.2	1.0	IS 12107 Part 6

PHYSICAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Dry density, g / cc after drying at 110 °C / 24 hrs	2.00 – 2.10	2.05	IS 10570
CCS, kg/cm ² after drying at 110 °C / 24 hrs	280 – 325	310	IS 10570
after heating at 1100 °C / 3 hrs	150 – 175	160	IS 10570
after heating at 1400 °C / 3 hrs	350 – 450	415	IS 10570
% Retained on 3.35 mm sieve	0 – 5	0.8	IS 1528 Part 14

THERMAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Refractoriness, Orton / °C		> 28 / > 1646	IS 1528 Part 1
PLC, % after heating at 1100 °C / 3 hrs	(- 0.40) to (+ 0.20)	- 0.25	IS 10570
after heating at 1400 °C / 3 hrs	(- 0.50) to (- 1.30)	- 0.90	IS 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.