

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

GENERAL PROPERTIES

MAX. SERVICE TEMPERATURE:	1600 °C
MAXIMUM GRAIN SIZE:	3 mm
WATER REQUIRED FOR TROWELLING CONSISTENCY:	13.0 – 15.0 %

CHEMICAL ANALYSIS, %

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Al ₂ O ₃	73.0 – 77.0	74.0	IS 12107 Part 3
CaO	5.0 – 6.0	5.80	ASTM C 573
Fe ₂ O ₃	2.0 – 2.5	2.38	IS 12107 Part 6

PHYSICAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Dry density, g / cc after drying at 110 °C / 24 hrs	2.45 – 2.55	2.50	IS 10570
CCS, kg/cm ² after drying at 110 °C / 24 hrs	300 – 500	350	IS 10570
after heating at 1100 °C / 3 hrs	150 – 350	185	IS 10570
after heating at 1550 °C / 3 hrs	800 – 1200	950	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		> 35 / > 1785	IS 1528 Part 1
PLC, % after heating at 1100 °C / 3 hrs	(- 0.40) to (+ 0.20)	- 0.15	IS 10570
after heating at 1550 °C / 3 hrs	(- 1.50) to (- 2.80)	- 2.50	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.