



TECHNICAL DATA

FOR DENSE CASTABLE

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BRAND NAME :

NC21 - 15

RAW MATERIAL BASIS :

CHAMOTTE- SILLIMANITE

PHYSICAL PROPERTIES :

Maximum service temperature , °C	1450
Dry castable required , Kg/m <sup>3</sup>	2170
Approximate amount of water required for pouring , Liter /25Kg	2.1 – 2.4
Bulk density , Kg/m <sup>3</sup> after drying at 110°C	2250
Cold crushing strength , Kg/cm <sup>2</sup> after drying at 110°C	400 – 600
after heating at 1370°C	500 – 700
Permanent Linear Change , % after heating at 1370°C	-1.0 to +1.0
Grain size, mm	0 – 6

CHEMICAL ANALYSIS :

(calcined basis)

SiO <sub>2</sub>	41.4
Al <sub>2</sub> O <sub>3</sub>	48.7
TiO <sub>2</sub>	1.8
Fe <sub>2</sub> O <sub>3</sub>	1.8
CaO	5.3
Na <sub>2</sub> O + K <sub>2</sub> O + Li <sub>2</sub> O	1.0

PACKING IN SACKS OF , Kg

25

The data are subject to reasonable variations and therefore should not be used for specification purposes .

ASTM Test Methods , where applicable , used for determination of data .

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