



TECHNICAL DATA  
FOR DENSE CASTABLE

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BRAND NAME :	NC31 - 14
RAW MATERIAL BASIS :	CHROMITE
PHYSICAL PROPERTIES :	
Maximum service temperature , °C	1370
Dry castable required , Kg/m <sup>3</sup>	2570
Approximate amount of water required for pouring , Liter /30Kg	3.3 – 3.7
Bulk density , Kg/m <sup>3</sup> after drying at 110°C	2700
Cold crushing strength , Kg/cm <sup>2</sup> after drying at 110°C	250 – 350
after heating at 1320°C	200 – 300
Permanent Linear Change , % after heating at 1320°C	-1.5 to 0.0
Grain size, mm	0 – 4

CHEMICAL ANALYSIS :

(calcined basis)

SiO <sub>2</sub>	7.0
Al <sub>2</sub> O <sub>3</sub>	24.4
Fe <sub>2</sub> O <sub>3</sub>	15.6
CaO	12.6
MgO	14.9
Cr <sub>2</sub> O <sub>3</sub>	25.5

PACKING IN SACKS OF , Kg 30

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 .

ES0100F02

200398R5