



TECHNICAL DATA  
FOR DENSE CASTABLE – ULCC  
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BRAND NAME :	<u>NC21 - 17ULV</u>
RAW MATERIAL BASIS :	BAUXITE
PHYSICAL PROPERTIES :	
Maximum service temperature ,°C	1600
Dry castable required , Kg/m <sup>3</sup>	2700
Approximate amount of water required for pouring , Liter /30Kg	1.45 – 1.65
Bulk density , Kg/m <sup>3</sup> after drying at 110°C	2750
Cold crushing strength , Kg/cm <sup>2</sup> after drying at 110°C	250 – 350
after heating at 1430°C	900 – 1400
Permanent Linear Change , % after heating at 1430°C	-1.0 to +1.0
Grain size, mm	0 – 8

CHEMICAL ANALYSIS :

(calcined basis)

SiO <sub>2</sub>	14.7
Al <sub>2</sub> O <sub>3</sub>	77.5
TiO <sub>2</sub>	3.1
Fe <sub>2</sub> O <sub>3</sub>	2.5
CaO	1.1
Na <sub>2</sub> O + K <sub>2</sub> O + Li <sub>2</sub> O	1.1

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 .

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