



TECHNICAL DATA  
FOR DENSE CASTABLE  
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BRAND NAME :	<b>NC21 - 17EX</b>
RAW MATERIAL BASIS :	<b>BAUXITE - TABULAR ALUMINA</b>
PHYSICAL PROPERTIES :	
Maximum service temperature , °C	<b>1600</b>
Dry castable required , Kg/m <sup>3</sup>	<b>2680</b>
Approximate amount of water required for pouring , Liter /30Kg	<b>2.2 – 2.7</b>
Bulk density , Kg/m <sup>3</sup> after drying at 110°C	<b>2780</b>
Cold crushing strength , Kg/cm <sup>2</sup> after drying at 110°C	<b>400 – 600</b>
after heating at 1500°C	<b>400 – 600</b>
Permanent Linear Change , % after heating at 1500°C	<b>-1.0 to +1.0</b>
Grain size, mm	<b>0 – 6</b>

CHEMICAL ANALYSIS :  
(calcined basis)

SiO <sub>2</sub>	<b>4.3</b>
Al <sub>2</sub> O <sub>3</sub>	<b>88.5</b>
TiO <sub>2</sub>	<b>1.5</b>
Fe <sub>2</sub> O <sub>3</sub>	<b>1.0</b>
CaO	<b>4.0</b>
Na <sub>2</sub> O + K <sub>2</sub> O + Li <sub>2</sub> O	<b>0.7</b>

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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