



TECHNICAL DATA  
FOR LIGHT WEIGHT CASTABLE



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BRAND NAME :	<b>NC12 - 14</b>
RAW MATERIAL BASIS :	<b>CHAMOTTE</b>
PHYSICAL PROPERTIES :	
Maximum service temperature ,°C	<b>1400</b>
Dry castable required , Kg/m <sup>3</sup>	<b>1420</b>
Approximate amount of water required for pouring , Liter /30Kg	<b>6.3 – 7.8</b>
Bulk density , Kg/m <sup>3</sup> after drying at 110°C	<b>1490</b>
Cold crushing strength , Kg/cm <sup>2</sup> after drying at 110°C	<b>50 – 80</b>
after heating at 1320°C	<b>50 – 75</b>
Thermal conductivity , Kcal/h.m.°C at 400°C	<b>0.52</b>
600°C	<b>0.53</b>
800°C	<b>0.55</b>
Permanent Linear Change , % after heating at 1320°C	<b>- 1.5 to +1.5</b>
Grain size, mm	<b>0 – 6</b>
CHEMICAL ANALYSIS : (calcined basis)	
SiO <sub>2</sub>	<b>43.0</b>
Al <sub>2</sub> O <sub>3</sub>	<b>39.7</b>
TiO <sub>2</sub>	<b>2.0</b>
Fe <sub>2</sub> O <sub>3</sub>	<b>2.8</b>
CaO	<b>10.8</b>
Na <sub>2</sub> O + K <sub>2</sub> O + Li <sub>2</sub> O	<b>1.7</b>
PACKING IN SACKS OF , Kg	<b>30</b>

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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