



TECHNICAL DATA  
FOR DENSE GUNNING MIX  
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BRAND NAME :	<b>NG51 – 14</b>
RAW MATERIAL BASIS :	<b>CHAMOTTE – BAUXITE – SILICON CARBIDE</b>
PHYSICAL PROPERTIES :	
Maximum service temperature , °C	<b>1450</b>
Dry gunning mix required , Kg/m <sup>3</sup>	<b>2200</b>
Approximate amount of water required for pouring , Liter /25Kg	<b>2.6 – 3.0</b>
Bulk density , Kg/m <sup>3</sup> after drying at 110°C	<b>2270</b>
Cold crushing strength , Kg/cm <sup>2</sup> after drying at 110°C	<b>250 – 350</b>
after heating at 1200°C	<b>300 – 400</b>
Permanent Linear Change , % after heating at 1200°C	<b>-1.0 to +1.0</b>
Grain size, mm	<b>0 – 6</b>

CHEMICAL ANALYSIS :  
(calcined basis)

SiC	<b>8.0</b>
SiO <sub>2</sub>	<b>29.7</b>
Al <sub>2</sub> O <sub>3</sub>	<b>52.0</b>
TiO <sub>2</sub>	<b>2.3</b>
Fe <sub>2</sub> O <sub>3</sub>	<b>1.9</b>
CaO	<b>5.0</b>
Na <sub>2</sub> O + K <sub>2</sub> O + Li <sub>2</sub> O	<b>1.1</b>

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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