



TECHNICAL DATA  
FOR DENSE CASTABLE – LCC  
\*\*\*\*\*



BRAND NAME : NC51 - 14LV  
RAW MATERIAL BASIS : CHAMOTTE - BAUXITE - SILICON CARBIDE  
PHYSICAL PROPERTIES :

|                                                                      |              |
|----------------------------------------------------------------------|--------------|
| Maximum service temperature ,°C                                      | 1500         |
| Dry castable required , Kg/m <sup>3</sup>                            | 2400         |
| Approximate amount of water<br>required for pouring , Liter /25Kg    | 1.3 – 1.6    |
| Bulk density , Kg/m <sup>3</sup><br>after drying at 110°C            | 2450         |
| Cold crushing strength , Kg/cm <sup>2</sup><br>after drying at 110°C | 700 – 900    |
| after heating at 1430°C                                              | 700 – 900    |
| Permanent Linear Change , %<br>after heating at 1430°C               | -1.5 to +1.0 |
| Grain size, mm                                                       | 0 – 5        |

CHEMICAL ANALYSIS :  
(calcined basis)

|                                                          |      |
|----------------------------------------------------------|------|
| SiC                                                      | 27.5 |
| SiO <sub>2</sub>                                         | 32.1 |
| Al <sub>2</sub> O <sub>3</sub>                           | 34.0 |
| TiO <sub>2</sub>                                         | 1.5  |
| Fe <sub>2</sub> O <sub>3</sub>                           | 1.5  |
| CaO                                                      | 2.4  |
| Na <sub>2</sub> O + K <sub>2</sub> O + Li <sub>2</sub> O | 1.0  |

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 .

ES0100F02

(Preliminary Name: NE1 – 84)

200497R6