



**TECHNICAL DATA**  
**FOR DENSE CASTABLE – LCC**  
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|                                                                   |                      |
|-------------------------------------------------------------------|----------------------|
| <b>BRAND NAME :</b>                                               | <b>NC21 - 17LVMO</b> |
| <b>RAW MATERIAL BASIS :</b>                                       | <b>BAUXITE</b>       |
| <b>PHYSICAL PROPERTIES :</b>                                      |                      |
| Maximum service temperature ,°C                                   | 1650                 |
| Dry castable required , Kg/m <sup>3</sup>                         | 2800                 |
| Approximate amount of water required for pouring , Liter /30Kg    | 1.5 – 1.9            |
| Bulk density , Kg/m <sup>3</sup> after drying at 110°C            | 2970                 |
| Cold crushing strength , Kg/cm <sup>2</sup> after drying at 110°C | 700 – 900            |
| after heating at 1430°C                                           | 900 – 1400           |
| Permanent Linear Change , % after heating at 1430°C               | -1.5 to +1.5         |
| Grain size, mm                                                    | 0 – 8                |

**CHEMICAL ANALYSIS :**  
(calcined basis)

|                                                          |      |
|----------------------------------------------------------|------|
| SiO <sub>2</sub>                                         | 11.9 |
| Al <sub>2</sub> O <sub>3</sub>                           | 80.0 |
| TiO <sub>2</sub>                                         | 3.0  |
| Fe <sub>2</sub> O <sub>3</sub>                           | 1.9  |
| CaO                                                      | 2.3  |
| Na <sub>2</sub> O + K <sub>2</sub> O + Li <sub>2</sub> O | 0.9  |

**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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