



## RASACAST C-13

**Type of Product:** Fire Clay Dense Castable

### Physical Properties:

|   |             |
|---|-------------|
| Raw material basis                                      | Fire clay   |
| Max Service Temperature (°C)                            | 1320        |
| Dry castable required (Kg/m <sup>3</sup> )              | 2000 - 2100 |
| Approximate amount of water required (%)                | 13 - 14     |
| Bulk density after drying at 110°C (Kg/m <sup>3</sup> ) | 2100 - 2200 |
| Grain size (mm)   | 0 - 5       |

### Thermomechanical Properties:

|                          | Cold Crushing Strength (Kg/Cm <sup>2</sup> ) | Modulus of Rupture (Kg/Cm <sup>2</sup> ) | Linear Change (%) |
|--------------------------|--|--|-------------------|
| After drying at 110 ° C  | 300  | ≥ 60                                     | Negligible        |
| After heating at 1250° C | 250  | ≥ 60                                     | -0.1 to -0.5      |

### Chemical Analysis (%):

| Al <sub>2</sub> O <sub>3</sub> | SiO <sub>2</sub> | Fe <sub>2</sub> O <sub>3</sub> | CaO     |
|--------------------------------|------------------|--------------------------------|---------|
| 40 - 45                        | 30 - 35          | 7 - 9                          | 12 - 14 |

### Packing in 30 Kg Bags.

- All data subject to reasonable deviations, and therefore, should not be used for specification purposes.
- ASTM Test Methods, where applicable, used for determination of data.

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