



## Calcium Silicate Board CS-11

**Type of Product :** Calcium Silicate Thermal Insulation

### Physical Properties:

|   |           |
|---|-----------|
| Classification Temperature (°C)                           | 1100      |
| Bulk Density, after drying at 110°C (Kg/m <sup>3</sup> )  | 250 - 300 |
| Flexural Strength (Kg/cm <sup>2</sup> )                   | min 3     |
| Cold Crushing Strength (Kg/cm <sup>2</sup> )              | min 8     |
| Linear shrinkage after reheating at 800°C for 5 hours (%) | ≤ 2.5     |

### Thermal Conductivity (Kcal/m.h.°C):

|          |             |
|----------|-------------|
| @ 200 °C | 0.08 - 0.09 |
| @ 400 °C | 0.09 - 0.1  |
| @ 600 °C | 0.12 - 0.13 |

### Chemical Analysis (%):

|                  |                                |         |         |
|------------------|--------------------------------|---------|---------|
| SiO <sub>2</sub> | Fe <sub>2</sub> O <sub>3</sub> | CaO     | L.O.I   |
| 45 - 55          | ≤ 1                            | 35 - 40 | 12 - 18 |

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