



## DGN FASER PRIVATE LIMITED

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Accredited with QMS 9001-2015, EMS 14001-2015 & OH & SAS 18001-2015

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### Technical Data Sheet

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|------------------------------------------------------------|---|-----------------------------------------|
| 1. <b>Product</b>                                          | : | Ceramic Fibre Board, Grade: 1260°C      |
| 2. <b>Size</b>                                             | : | 1000 mm. X 600 mm. X 50mm Thickness,    |
| 3. <b>Density</b>                                          | : | 320-360 Kg/m <sup>3</sup> (-10%, + 30%) |
| 4. <b>Dimensional</b>                                      | : |                                         |
| Length (mtr.)                                              | : | 1.000 (-0, excess is permitted)         |
| Width (mtr.)                                               | : | 0.600 (-2%, +10%)                       |
| Thick (mm)                                                 | : | 50 (-2.5mm, +2.5mm)                     |
| 5. <b>Hardness (on B -Shore)</b>                           | : | 40 min.                                 |
| 6. <b>Compressive Strength</b><br><b>(10% compression)</b> | : | 2.3 Kg/cm <sup>2</sup>                  |
| 7. <b>Linear Shrinkage</b><br>(at 750°C for 24 Hours)      | : | 3.5% max                                |
| 8. <b>Chemical Composition</b>                             | : |                                         |
| Al <sub>2</sub> O <sub>3</sub> %                           | : | 15 – 19                                 |
| SiO <sub>2</sub> %                                         | : | 77 – 82                                 |
| Fe <sub>2</sub> O <sub>3</sub> + TiO <sub>2</sub> %        | : | 1.5                                     |
| Others                                                     | : | < 6                                     |
| LOI %                                                      | : | 4 – 7                                   |
| 9. <b>Thermal Conductivity</b>                             | : |                                         |
| (at Mean Temperature 300°C)                                |   | 0.080 W/mk                              |
| (at Mean Temperature 500°C)                                |   | 0.150 W/mk                              |
| (at Mean Temperature 800°C)                                |   | 0.307 W/mk                              |