



## 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 Fiber Blanket, Grade: 1450°C |
| 2. <b>Size</b>                   | : | 3.65 m X 0.100 m X 25 mm Thickness,  |
| 3. <b>Density</b>                | : | 128 Kg/m <sup>3</sup> (-10%, + 30%)  |
| 4. <b>Dimensional</b>            | : |                                      |
| Length (mtr.)                    | : | 3.65    (-0, excess is permitted)    |
| Width (mtr.)                     | : | 0.100   (-2%, +10%)                  |
| Thick (mm)                       | : | 25      (-3mm, +19mm)                |
| 5. <b>Shot Content</b>           | : | 30% max.                             |
| 6. <b>Tensile Strength</b>       | : | 40 kPa                               |
| 7. <b>Linear Shrinkage</b>       | : | 3.5% max                             |
| (at 1200°C for 24 Hours)         |   |                                      |
| 8. <b>Fibre Diameter</b>         | : | 2.0 to 4.0 micron                    |
| 9. <b>Thermal Conductivity</b>   | : | 0.150 W/mk                           |
| (at Mean Temperature 500°C)      |   |                                      |
| 10. <b>Chemical Composition</b>  | : |                                      |
| Al <sub>2</sub> O <sub>3</sub> % | : | 29 – 37                              |
| SiO <sub>2</sub> %               | : | 42 – 57                              |
| ZrO <sub>2</sub> %               | : | 13 – 18                              |
| Fe <sub>2</sub> O <sub>3</sub> % | : | 0.1                                  |