

## TUFFINSUL SLAB

- 1) Material Composition: TUFFINSUL rigid board insulation composed of rock fibers processed from the molten state into fibrous form and bonded with binder. **Free from asbestos.**
- 2) Density: 48 – 150 kg/m<sup>3</sup>
- 3) Facing: Unfaced and available with Aluminium Foil – FSK, Black Glass Tissue laminated
- 4) Dimension
- (a) Length: 1.0 m or as per requirement from 0.6m to 1.2m
  - (b) Width: 0.6m
  - (c) Thickness: 50 mm – 100 mm
- 5) Thermal Conductivity at 25 °C mean temperature : } 0.035 w/mK
- 6) Service temperature: 750 °C
- 7) Compressive Strength: Ranges from 5 KPA to 70 KPA depending upon densities
- 8) Linear Shrinkage: Less than 2 %
- 9) Water vapor absorption: Less than 1 % by volume
- 10) Surface Burning Characteristics
- (a) Flame Spread index: < 25
  - (b) Smoke developed index: < 50
- 11) Combustibility of unfaced slab Non-Combustible; A1 when tested as per EN 13501
- 12) Odor Emission: No detectable odor of objectionable nature was observed
- 13) Corrosiveness to Steel: No Corrosion
- 14) Rigidity: Rigid
- 15) Fungi Resistance: Do not promote fungi growth
- 16) Non fibrous Content: Less than 25 %
- 17) Stress Corrosion to Austenitic Stainless Steel: No Cracking observed: pH - 7 to 10
- 18) Noise Reduction Coefficient: NRC ranges from 0.8 to 1.0

**Standard Compliance : ASTM C 612**

*All information and data mentioned in this technical data sheet are based on tests performed in the Laboratory. Nothing herein to be construed as a warranty or representation and we recommend, However, that all potential users of the product make their own actual tests prior to using it on industrial scale*