

Agni

- Boards for Over/Furnace Insulation



Agni Family of insulation boards are specifically formulated for ovens and furnaces insulation. This insulation board is available in three grades (**Agni-400, Agni-500, Agni-600**) to suit thermal and mechanical strength requirements for various applications.



Advantages

- Low thermal conductivity values for thermal insulation purpose
- Extremely low shrinkage at high temperature
- Non- Asbestos Grade
- With a typical Flexural Strength this is a versatile engineering material for arduous use
- **Agni** has excellent rigidity for single skin over applications considerable strength is maintained at elevated temperature
- **Agni** resists common alkalis and solvents

Application

- High volume baking ovens
- Steam curing chambers
- Textile drying ovens
- Paint booths
- Curing ovens
- Power Coating Ovens
- Ladle covers
- Boiler baffles
- Flue gas baffles

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Standard sizes available

Size: 1050 mm × 1200 mm

Thickness: 25, 38, 50, 75 mm



Technical specifications

	Agni 400	Agni 500	Agni 600
Compressive Strength (kg/cm ²)	250	100	92
Thermal Conductivity of board Thickness 10 mm C (W / m ^o c)	0.30 at 400°C	0.25 at 500°C	0.23 at 600°C
Density (kg / m ³)	950	800	600
Maximum Operating Temp. (°C)	400	500	600
Specific heat (Joule / gm ^o k)	1.03	0.96	0.91