ROCK WOOL & ALUMINUM SILICATE INSULATION BOARD

TECHNICAL SPECIFICATIONS & ENGINEERING DATA

ROCK WOOL BOARD

MATERIAL STRUCTURE

- Natural basalt rock as main raw material
- High temperature melted and spun into fibers
- Dense fiber structure for excellent thermal insulation and fire resistance

ALUMINUM SILICATE BOARD

MATERIAL STRUCTURE

- Alumina, silica and other oxide materials
- Melted and formed by spinner or vacuum forming process
- Ceramic fiber structure with high purity and stability

ROCK WOOL BOARD SPECIFICATIONS

Density (kg/m³)	60	80	100	120	150
Thickness (mm)	25 / 30 / 40 / 50 / 75 / 100 / 120				
Thermal Conductivity (W/m·K) at 25°C	0.035 – 0.045				
Operating Temperature (°C)	Up to 750°C				
Fire Resistance	A1 Non-combustible (GB/T 5464) Euroclass A1 (EN 13501-1)				
Compressive Strength (kPa)	≥ 40 – 80				
Moisture Absorption (%)	≤ 1.0				

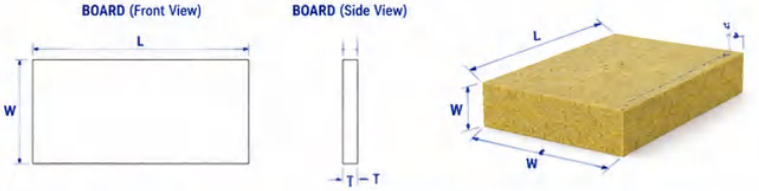
ALUMINUM SILICATE BOARD SPECIFICATIONS

Density (kg/m³)	200	250	300
Thickness (mm)	10 / 20 / 25 / 30 / 40 / 50 / 75 / 100		
Thermal Conductivity (W/m·K) at 25°C	0.045 – 0.060		
Operating Temperature (°C)	1260°C / 1430°C / 1600°C (Grade Options)		
Fire Resistance	A1 Non-combustible (GB/T 5464) Euroclass A1 (EN 13501-1)		
Compressive Strength (kPa)	≥ 300 – 600		
Moisture Absorption (%)	≤ 1.5		

STANDARD SHEET DIMENSIONS

Item	Rock Wool Board	Aluminum Silicate Board
Length (mm)	600 / 1000 / 1200	600 / 1000 / 1200
Width (mm)	600 / 1000	600 / 1000
Thickness (mm)	See above options	See above options
Tolerance	Length / Width: ±2 mm Thickness: ±1 mm	Length / Width: ±2 mm Thickness: ±1 mm

DIMENSIONAL DRAWING (mm)

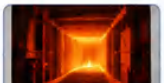


L = Length
W = Width
T = Thickness
Unit: mm

PERFORMANCE FEATURES

- FIRE RESISTANT
- HIGH TEMP RESISTANCE
- LOW THERMAL CONDUCTIVITY
- SOUND ABSORPTION
- MOISTURE RESISTANT
- ENVIRONMENTALLY FRIENDLY
- DURABLE & STABLE
- EASY TO CUT & INSTALL

TYPICAL APPLICATIONS


INDUSTRIAL FURNACE


BOILERS


POWER PLANTS


PETROCHEMICAL EQUIPMENT


STEEL STRUCTURE FIRE PROTECTION


HVAC & DUCT INSULATION

TECHNICAL NOTES

- All values are typical data.
- Custom sizes and densities are available upon request.
- Installation should be carried out in accordance with engineering requirements and safety standards.
- Product performance may vary depending on application conditions.

ENERGY SAVING

SAFE & RELIABLE