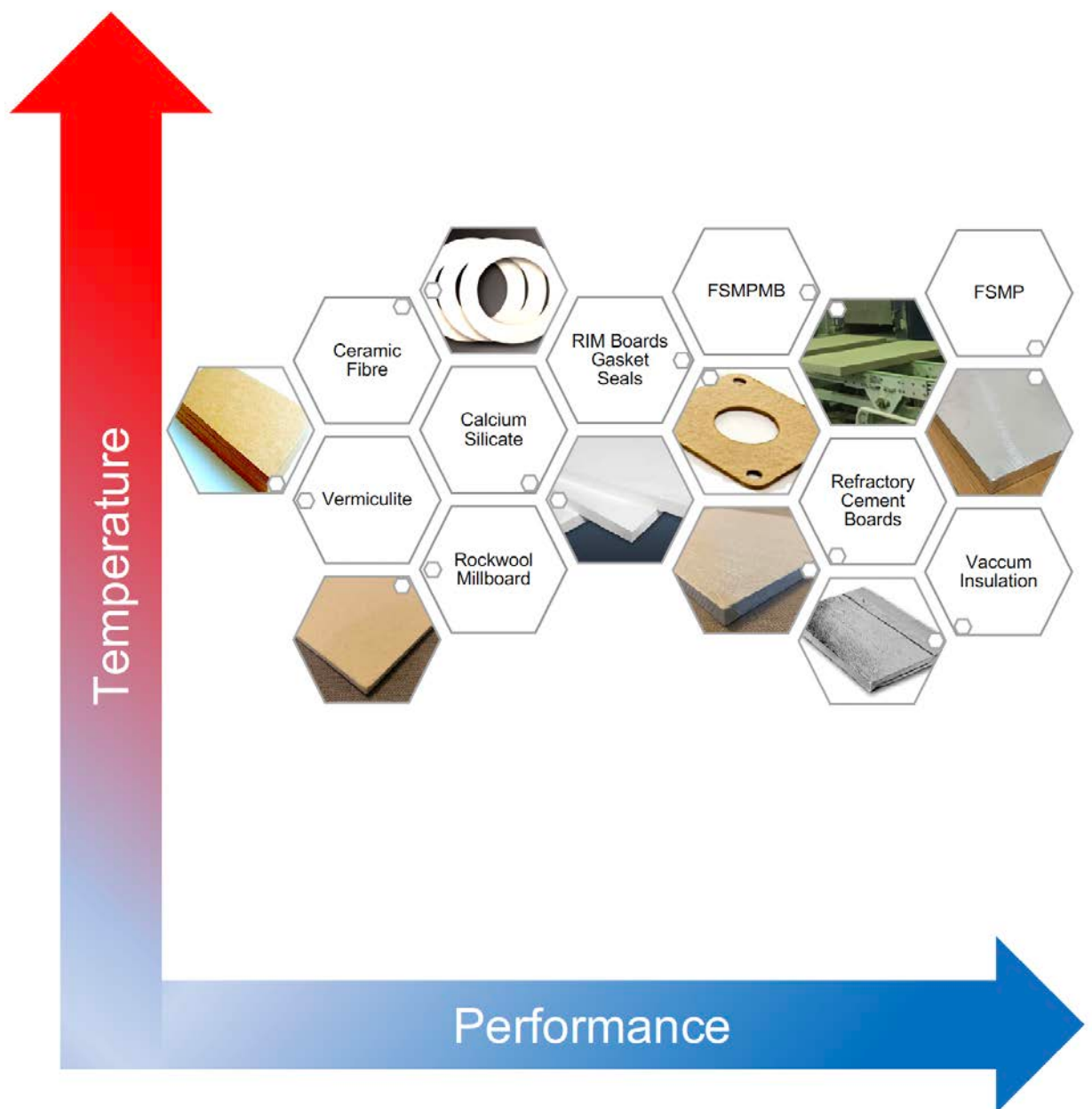


High Density Calcium Silicate Boards

Low Cost | High Compressive Strength | High Insulation



High Density Calcium Silicate Boards & Designs

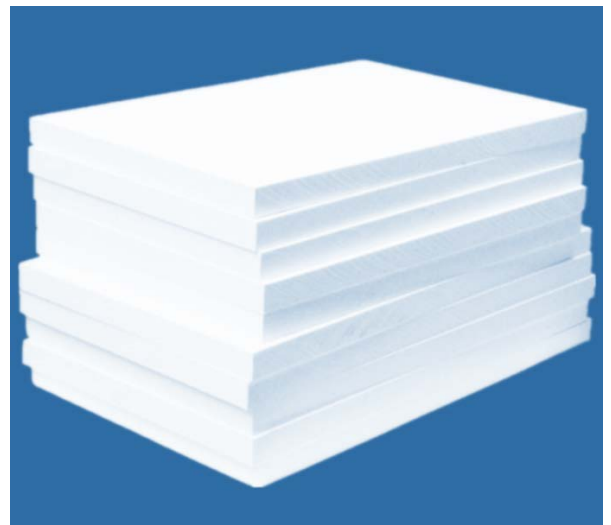
Wedge high density Calcium Silicate Boards are manufactured with Filter Press Technology to achieve very high compressive strength at high temperature, high temperature insulation, and high machinability. These boards are machined ready to use designs are most suitable as thermal insulation for hot tank support base insulation, pipe support, die-casting, heat shield to concrete.

Advantages

- Low thermal conductivity
- High mechanical strength
- Resistant to moisture and chemicals
- Excellent machinability to close tolerances
- Tough and durable
- Dust free surface
- Asbestos free
- High electrical strength
- High arc resistance

Applications

- Heat protection
- Load-bearing pipe columns
- Dryer, ventilation and air conditioning technology
- Insulating cut sections for industrial applications
- Special applications for the construction of fireplaces
- Furnace construction, special parts for induction furnaces
- Circuitry and safety technology
- Machine and apparatus construction
- Precision parts for machine and apparatus construction
- Thermal and electrical insulation e.g. arc chutes
- Oven and drier walls/cladding
- Platen press insulation
- Load bearing pipe supports
- Heat shields, Structural thermal breaks
- Furnace bottom boards
- Working lining in low energy aluminium die cast holding



Quality		HDL23	HDML500	HDML800	HDTC1000	HDPH400
Colour		White	White	White	White	White
Classification temperature	°C	250	900	1000	1000	400
Bulk density	kg/m ³	1800	750	950	1400	870
Cold compressive strength	MPa	85	14	27	55	9.5
Bending strength	MPa	32	7	10	16	7.5
Hardness	Shore D					
Shrinkage at CT 12 hour		0.5	0.4	0.4	0.25	0.25
Thermal conductivity						
200 °C	W/(m K)	0.5	0.15	0.28	0.56	0.20
400 °C	W/(m K)		0.16	0.30	0.54	
600 °C	W/(m K)		0.19	0.31	0.52	
800 °C	W/(m K)			0.32	0.49	
Specific heat capacity	kJ/kg K		0.96	1.03	1.05	0.92
Standard Sizes						
Length	mm	100 - 3000				
Width	mm	100 - 1500				
Thickness	mm	6 - 100				