

# MaxBoard

MaxBoard™ products are processed from alumina and silica blends for applications with temperatures up to 3000°F (1650°C).

MaxBoard™ are vacuum formed products that are made to resist high velocities. These products provide low thermal conductivity, low heat loss and heat storage. Vacuum Formed Boards are ideal for furnace linings, boiler ducts and stacks.

MaxBoard™ can be made with Organic or Inorganic (no smoke) formulations to meet your product requirements.



## FEATURES

- Low Thermal Conductivity
- Low Heat Loss and Storage
- Lightweight
- Resistance to High Velocity
- Easy to Install
- Resistant to Non-Ferrous Metals
- Contains No Asbestos

All Board Dimensions	Standard	
Thickness:	1/2", 1", 1 1/2", 2", 2 1/2", 3"	
Width:	12", 24"	
Length:	36", 48"	
Technical Specifications	LD-2300	LD-2600
Maximum Use Temperature, °F (°C)	2300 (1260)	2600 (1425)
Continuous Use Limit, °F (°C)	2100 (1149)	2400 (1316)
Melting Point, °F (°C)	3150 (1732)	3236 (1780)
Density m <sup>3</sup> / Kg (ft <sup>3</sup> / lbs.)	16-20 (256-320)	16-20(256-320)
Thermal Shrinkage (%) 24 Hrs. @ 2192°F (1200°C)		
	2 - 3	2 - 3
Chemical Analysis (%)		
Al <sub>2</sub> O <sub>3</sub>	39 - 41	48 - 50
SiO <sub>2</sub>	52 - 54	45 - 47
Others	2 - 3	1 - 2
L.O.I. Organic / Inorganic	4 - 6/ 0	4 - 6/ 0

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## TYPICAL APPLICATIONS

- Refractory Lining for Industrial Furnaces
- Combustion Chamber Liners, Boilers and Heaters
- Expansion Joints
- Board over Blanket Linings
- Back-Up Insulation

Technical Specifications	HD-2300	HDZ-2600	2600 HT	3000 HT
Maximum Use Temperature, °F (°C)	2300 (1260)	2600 (1425)	2600 (1345)	3000 (1650)
Continuous Use Limit, °F (°C)	2100 (1149)	2300 (1260)	2450 (1345)	2750 (1510)
Melting Point, °F (°C)	3150 (1732)	3236 (1780)	3300 (1816)	3400 (1871)
Density lbs./ft <sup>3</sup> (Kg/m <sup>3</sup> )	26 - 30 (416 - 480)	26 - 30 (416 - 480)	14 (224)	12 (192)
<b>Thermal Shrinkage (%)</b> <b>24 Hrs. @ 2192°F (1200°C)</b>				
	1 - 2	1 - 2	< 2	< 2
<b>Chemical Analysis (%)</b>				
Al <sub>2</sub> O <sub>3</sub>	43 - 45	52 - 54		
SiO <sub>2</sub>	47 - 49	41 - 43		
Others	2 - 3	5 - 7		
L.O.I. Organic / Inorganic	4 - 5 / 0	4 - 5 / 0	4 - 7	4 - 7