

MaxForm Shapes

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

MaxForm™ Shapes are vacuum formed products that are made to resist high velocities. These products are ideal for furnace linings, boiler duct and stack linings due to their low thermal conductivity, low heat loss and storage.

FEATURES

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

TYPICAL APPLICATIONS

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

MaxForm™ Shapes are available with special densities upon request and are available in a wide variety of shape configurations.

Technical Specifications	LD-2300	HD-2300	3000 HT
Maximum Use Temperature, °F (°C)	2300 (1260)	2300 (1260)	3000 (1650)
Continuous Use Temperature, °F (°C)	2100 (1149)	2100 (1149)	2700 (1482)
Melting Point °F (°C)	3150 (1732)	3150 (1732)	3400 (1871)
Density (lbs./ft ³) kg / m ³	14-20 (224-320)	20-28 (320-448)	9 - 12 (144-192)
Thermal Shrinkage (%) 24 Hrs. @ 2200°F (1200 °C)	2 - 3	1 - 2	< 2
Chemical Analysis (%)			
Al ₂ O ₃	39 - 41	43 - 45	54 - 58
SiO ₂	52 - 54	47 - 49	41 - 45
Others	2 - 3	2 - 3	1
L.O.I. Organic / Inorganic	4 - 6/ 0	4 - 5/ 0	4 - 7