



MaxMoldable®

Moldable Ceramic Fiber Mix

MaxMoldable is a high-performance, moldable thermal insulation compound manufactured from a proprietary blend of alumina-silica refractory fibers and inorganic bonding agents. The material exhibits a highly cohesive, putty-like consistency that provides excellent adhesion to ceramic fiber linings, refractory substrates, and metallic surfaces.

MaxMoldable is engineered for the repair and maintenance of high-temperature thermal insulation systems, reducing heat loss in damaged or deteriorated linings. The product also serves as a high-temperature joint sealant and crack-filling compound.

Two temperature grades are available: **MaxMoldable 2300** and **MaxMoldable 2600**, with classification temperatures of **2300°F** (1260°C) and **2600°F** (1425°C), respectively.

MaxMoldable 2300 AL is recommended for direct contact with aluminum and other non-ferrous metal processing operations — transfer troughs, launders, transfer channels, and molten aluminum handling ladles — where resistance to metal attack and contamination is critical.

Key Features

- Low Heat Storage
- Excellent Thermal Shock Resistance
- Withstands high gas velocity service conditions
- Excellent adhesion to ceramic fiber and refractory materials
- Excellent Corrosion Resistance
- Non-wetting to non-ferrous molten metals
- Asbestos-free
- Easy to Install

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Typical Properties	MaxMoldable 2300	MaxMoldable 2300 AL	MaxMoldable 2600
Color	White	White	White
Maximum Use Temperature	2300°F (1260°C)	2300°F (1260°C)	2600°F (1425°C)
Continuous Use Temperature	2000°F (1093°C)	2000°F (1093°C)	2400°F (1316°C)
Solids	50%	50%	50%
Wet Density lb/ft³ (kg/m³)	70–84 (1120–1350)	75–85 (1200–1360)	71–84 (1137–1350)
Dry Density lb/ft³ (kg/m³)	30–50 (481–801)	40–50 (641–801)	40–45 (640–720)
Linear Shrinkage 24h °F (°C)	2.8% @ 2000°F (1093°C)	4% @ 2000°F (1093°C)	2.8% @ 2000°F (1093°C)
Molten Aluminum Wetting Resistance	•	Excellent	•

Presentation & Shelf Life

Packaging	• 1 & 2 lb Caulking Tube • 5 gal Pail
Shelf Life	• 6 Months

Installation Techniques

MaxMoldable **2300**, **2300 AL**, and **2600** can be applied using a hand trowel or a caulking gun.

Typical Applications

- Trough Liners for Non-Ferrous Metals
- Gaskets and Seals for Burner Blocks
- Gaskets and Seals for Chimneys and Stacks
- Boiler Door Seals and Thermal Insulation
- Fill Voids and Cracks in Refractory Surfaces

Data are average results of tests conducted under standard procedures and are subject to variation. Results should not be used for specification purposes.

Please refer to the product Safety Data Sheet (SDS) for recommended work practices and other product safety information.