



MaxPumpable®

Pumpable Ceramic Fiber Mix

MaxPumpable is a pumpable ceramic fiber insulation compound formulated from refractory ceramic fibers and specialized binders. It can be applied with diaphragm or piston-extrusion pumps and is suitable for both hot and cold repairs.

Its air-setting formulation dries rapidly at operating temperatures while allowing sufficient working time to fill voids, gaps, and damaged areas. Its lightweight composition and ease of application make it ideal for inaccessible areas where conventional refractory or ceramic fiber products cannot be readily installed.

MaxPumpable is designed for the repair of hot spots in furnaces, heaters, and boilers, often without shutting down the unit, and exhibits excellent wet adhesion to steel, refractory linings, and ceramic fiber insulation.

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

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Key Features

- Low thermal conductivity
- Low heat storage capacity
- Reduces fume and smoke emissions around refractory linings
- Excellent thermal shock resistance
- Excellent flame erosion resistance
- Resistant to high-velocity gas streams
- Excellent adhesion to most ceramic and metallic substrates
- Outstanding corrosion resistance
- Chemically inert to most industrial chemicals
- Non-wetting and impermeable to molten aluminum, zinc, and copper
- Asbestos-free
- Easy to install and apply



Typical Properties	MaxPumpable 2300	MaxPumpable 2600
Color	Off-White	Off-White
Maximum Use Temperature	2300°F (1260°C)	2600°F (1425°C)
Continuous Use Temperature	2000°F (1093°C)	2400°F (1316°C)
Solids	40%	40%
Wet Density lb/ft³ (kg/m³)	70–80 (1120 – 1280)	70–85 (1120–1360)
Dry Density lb/ft³ (kg/m³)	40–45 (640–720)	40–45 (640–720)
Linear Shrinkage 24h °F (°C)	2.8% @ 2000°F (1093°C)	2.8% @ 2000°F (1093°C)

Presentation & Shelf Life	MaxPumpable 2300	MaxPumpable 2600
Packaging	1 & 2 lb Caulking Tube 5 gal Plastic Pail	1 & 2 lb Caulking Tube 5 gal Plastic Pail
Shelf Life	6 Months	6 Months

Installation Techniques

MaxPumpable can be applied using a conventional air-operated extrusion pump or caulking gun, directly from its container. The material flows easily into furnace and boiler hot spots, refractory cracks, door jambs, and other areas requiring high-temperature insulation and sealing.

Once installed, it may be dried at room temperature or cured directly by exposure to heat.

Typical Applications

- To form troughs or liners for non-ferrous metal transfer
- Gaskets and seals around burner blocks
- Protection of metallic parts from heat
- Pump into voids in badly damaged backup insulation
- Gaskets and seals for chimneys and stacks
- Boiler door seals and thermal insulation
- To fill voids and cracks in refractory surface

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.