MaxCement

Ceramic Cements

MaxCement is a family of high-purity adhesive cements specifically formulated for bonding ceramic fiber products to refractory materials, thermal insulation systems, and selected metallic substrates. These adhesives feature a thick, creamy consistency that allows easy application by brush, trowel, or spatula.

MaxCement products can be diluted with water and used as coating compounds for a wide variety of refractory and insulation materials. Upon drying, they develop a hard, durable bond with excellent abrasion resistance, providing long-term performance in high-temperature applications.

The product line is available in two grades: **MaxCement 2300** and **MaxCement 2700**. In addition to the performance benefits offered by **MaxCement 2300**, **MaxCement 2700** is formulated for service at higher temperatures, making it suitable for more demanding thermal environments.

Key Features

- High Purity Adhesive
- Abrasion-Resistant Skin when Dried
- Can be Thinned with Water
- Suitable for Brushing or Troweling
- Bonds Fiber, Refractory, and Metal Surfaces
- Contains no Asbestos

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Technical Data Sheet Rev. 2 (10/27/2026)

Typical Properties	MaxCement 2300	MaxCement 2700
Color	Gray	Gray
Maximum Use Temperature	2300°F (1260°C)	2732°F (1500°C)
Continuous Use Temperature	2000°F (1093°C)	2600°F (1427°C)
Solids	70–72%	72–75%
Wet Density lb/ft³ (kg/m³)	70–117 lb/ft³ (1120–1870 kg/m³)	72–110 lb/ft³ (1150–1760 kg/m³)
Normal Layer Thickness in (mm)	0.01–0.04 in (0.25–1.0 mm)	0.04–0.117 in (1–3 mm)
Linear Shrinkage 24h °F (°C)	3.1% @ 2300°F (1260°C)	3.1% @ 2300°F (1260°C)
Application Rate – SF/Gal (m²/l)	50–100 SF/Gal (1.2–2.5 m²/l)	20–50 SF/Gal (0.5–1.2 m²/l)

Presentation & Shelf Life	MaxCement 2300	MaxCement 2700
Packaging	5 gal Pail	5 gal Pail
Shelf Life	2 Months	2 Months

Installation Techniques

MaxCement can be applied by brushing or troweling. They can be thinned with water for coating applications.

Typical Applications

- Cementing Modules onto Blocks
- Insulation and Protection for Metallic Surfaces
- Protection Against Corrosion and Abrasion for Fiber Linings
- Adhesive for Sticking Refractory Paper to Submerged Entry Nozzles (SEN)
- Bonding Ceramic Paper and Felt to Steel Ladles
- Increasing Thickness by Bonding Blankets and Board

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.

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