



**Mastercool**<sup>®</sup> Inc.  
"World Class Quality"

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## ALUM BOND ALUMINUM EPOXY REPAIR COMPOUND



### SPECIFICATIONS:

- Hardness (Shore, ASTM D 1706): 83D
- Coefficient of Thermal Expansion: 40 x 10<sup>-6</sup> cm/cm/°C
- Compression Strength (ASTM D 695): 8600 psi (59 MPa)
- Tensile Strength (ASTM D 638): 3500 psi (24 MPa)
- Maximum Line Pressure (after 5 hours application time): 650 psi
- Temperature Resistance: Up to 250°F (121°C)
- Curing Time: At 75°F (24°C) a ½" (12.5mm) layer of ALUMBOND putty will be hard in approximately 45 minutes.
- FULL cure times are as follows:  
Temperature:  
60°F (16°C)  
75°F (60°C)  
90°F (32°C)

### PROFESSIONAL ALUMINUM EPOXY FOR PERMANENT METAL REPAIRS

Alumbond is a two-component aluminum-filled epoxy repair compound engineered for high-performance industrial and mechanical applications. Formulated with high-purity aluminum particles, advanced curing agents, and premium additives, it delivers exceptional strength, durability, and ease of use.

Designed for professionals, Alumbond provides a non-rusting, non-magnetic aluminum finish, making it the ideal solution for restoring damaged components without replacement.

#### FEATURES:

- **Aluminum-Filled Metal Repair Compound** – Professional-grade polymer designed to permanently repair cracks, blow holes, and casting imperfections in aluminum components including radiators, engine blocks, housings, tanks, and HVAC parts
- **High-Strength Industrial Performance** – Engineered for demanding repairs with 8,600 PSI compressive strength and 3,500 PSI tensile strength, restoring structural integrity to damaged surfaces
- **Machinable After Curing** – Once fully cured, the material can be drilled, sanded, tapped, or machined using standard tools, eliminating the need for costly replacements
- **Non-Sag Formula for Vertical Applications** – Thick paste consistency stays in place, making it ideal for vertical, overhead, and irregular surface repairs
- **High Temperature Resistance** – Withstands temperatures up to 250°F (121°C), perfect for automotive, HVAC, and industrial environments
- **Controlled Working Time** – Provides a practical application window for accurate placement and shaping before curing
- **Ideal for Casting Defects & Surface Repairs** – Specifically formulated for porosity, voids, and surface imperfections in aluminum components
- **Trusted Professional Quality** – Manufactured by Mastercool, a U.S.-based brand known for reliable tools and repair solutions

#### RECOMMENDED APPLICATIONS:

Alumbond aluminum epoxy is ideal for repairing:

- Radiators and condenser coils
- Tanks and storage vessels
- Aluminum castings and housings
- Porosity, blow holes, and surface defects
- Engine blocks and water jackets
- Valves and pumps
- HVAC system components

This makes it a go-to solution for automotive repair, HVAC maintenance, and industrial equipment restoration.

**90935: ALUM BOND Aluminum Repair Kit** - (each box contains Hardener & Resin (3.25 oz. (94g) each)

**90935-12: ALUM BOND Aluminum Repair Kit - box of 12** (each box contains Hardener & Resin (3.25 oz. (94g) each)