

## Product Data

# EPOXY 2.0

## Structural Epoxy Adhesive

### Areas of Use:

- Utility Companies
- Waste Water Treatment Plants
- General Contractors
- Hospitals
- Military Bases
- Manufacturing Facilities
- City Park and Recreation Departments
- Food Processing Plants
- Hotels/Motels
- Construction Companies
- Highway Departments
- Repair Shops
- Municipalities

ATCO's Epoxy 2.0 is a two-part structural epoxy adhesive that cures quickly at room temperature once applied to application surfaces. Epoxy 2.0 is designed for bridging large gaps, cracks or holes, including use on vertical surfaces, and bonds to aluminum, steel, concrete, porcelain, wood and many other metals and surfaces. It is resistant to chemicals, including most acids and bases. Epoxy 2.0 can be machined to a metallic finish on application surfaces once fully cured.

- ✓ Two-Part Epoxy Compound - Easy 1:1 Mixing Ratio
- ✓ Bridges Large Gaps or Holes on Horizontal and Vertical Surfaces
- ✓ Begins to Set in 5 Minutes, With a Cure Time of 16 Hours
- ✓ For Use On Metals, Wood, Concrete, Ceramics, Porcelain, Some Plastics & Many Other Application Surfaces

## APPLICATIONS

ATCO's EPOXY 2.0 Structural Epoxy Adhesive comes packaged as a 2-part resin and hardener, and when mixed, is designed for bridging large gaps, cracks and holes on horizontal and vertical surfaces quickly and easily. EPOXY 2.0 bonds to almost any application area, including aluminum, steel, concrete, porcelain, wood and many other metals and surfaces. It is resistant to chemicals, including most acids and bases, cures in 16 hours and can be machined, taped, drilled, sanded or painted once a full cure is achieved in 24 hours.

## DIRECTIONS

**Surface Preparation:** All application areas should be clean, dry and free from any contaminants, including oils and greases, which would impair bond and could lead to product failure. Surfaces should be scraped with a fine emery cloth or sandpaper, followed by a solvent wipe with acetone or ATCO degreaser such as BRAKE-SOLV II. Apply mixed Epoxy 2.0 immediately after cleaning the application surface. **Mixing/ Application:** Mix equal parts of A & B by volume, using different utensils for each to avoid contamination. Use only the amount needed for the job at hand. To avoid contamination, do not return unused product to containers. Mix components together for a minimum of 1 minute until a uniform dark gray color is achieved. Use a spatula to apply to clean, dry surface and remove any excess material before product begins to cure. Any repairs to the application surface should be completed within 1 to 2 minutes to avoid disturbing the repair as it begins to set.

**Cure Time/Temperature:** Epoxy 2.0 will begin to set within 5 minutes at 77°F (25°C), with a full cure of 16 hours. Allow 1 hour before handling, and 24 hours before returning to service. After 24 hours the application area can be drilled, tapped, filed or sanded to shape and painted.

## TECHNICAL DATA

(Part A Resin and Part B Hardener Mixed)

<b>Composition:</b>	Structural epoxy adhesive
<b>Appearance:</b>	Dark gray paste
<b>Density (ASTM D1875-03):</b>	2.1 g/cc (17.5 lb/gal)
<b>Cure Time:</b>	16 hours @ 77°F (fully cured in 24 hours)
<b>Pot Time:</b>	5 minutes
<b>Lap Shear Strength (ASTM D1002):</b>	2,500 psi
<b>Comprehensive Strength (ASTM D695):</b>	11,500 psi
<b>Hardness (Shore D):</b>	85 scale
<b>Dielectric Constant (ASTM D149):</b>	35
<b>Dielectric Strength (ASTM D149):</b>	30 volts/mil
<b>Temperature Resistance:</b>	200°F (fully cured)



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C-5, 7, 20/PC-3175/1118