



Weld Mount AT-2010 is a high performance two part methacrylate adhesive engineered to bond a wide range of plastics, metals and composite assemblies. It offers outstanding bond strength, is extremely durable, with excellent impact and weathering properties. It is a unique adhesive which has very high viscosity to hold Weld Mount parts in position without sagging and it's 5 minute fixture time makes it ideal for production applications. 75% of the ultimate strength is achieved in 15—20 Minutes. Full strength is reached in 24 hours. AT-2010 greatly increases the reliability of finished assemblies with , it's ability to withstand extreme temperature fluctuation and thermal cycling, and resistance to a wide range of chemicals and environmental conditions

### PHYSICAL PROPERTIES (UNCURED)

<b>Viscosity @ 25° C (cps)</b>	Resin	85,000—125,000
	Activator	85,000—125,000
<b>Color</b>	Off White	Light Yellow
<b>Density</b>		
<b>Mixed Density</b>		
<b>Mixed Ratio</b>	Volume: 1 to 1	Weight: 1 to 1
<b>Specific Gravity</b>	1.04	
<b>Flashpoint</b>	58° F	

### PHYSICAL PROPERTIES (CURED)

<b>Strength (PSI Steel)</b>	Shear	2,600—3,500
	Tensile	3,800—4,000
<b>Working Time</b>	3 to 4 Minutes	
<b>Handling Strength</b>	20 minutes for 75% overall strength	
<b>Gap Fill</b>	0.375 Inches	
<b>Temperature Range</b>	-65° F - 225° F	
<b>Peak Exotherm</b>	280° F @ 75° F	
	16 Min/10 Grams	

### AT-2010 bonds to:

#### METALS:

- Aluminum
- Steel
- Stainless steel
- Coated metals

#### THERMO SETS:

- Fiberglass
- Phenolics
- Gel coats
- Epoxy
- Rim Urethane
- Polyurethane
- Liquid molding resins
- SMC

#### THERMO PLASTICS:

- Acrylics
- ABS
- Polycarbonates
- Nylons
- PPOs
- Vinyl's
- PVC's
- Styrene's
- Peek's
- PBT Blends
- PET Blends

### Benefits

- ✓ Gap filling to .375"
- ✓ Little surface prep
- ✓ Excellent strength
- ✓ Impact resistant
- ✓ 100% reactive
- ✓ Room temperature cure
- ✓ Easily applied



### Storage & Shelf Life

The shelf life of AT-2010 is one year from the date of manufacture which is indicated on the cartridge when refrigerated at 40 degrees F. Shelf life is 6 months from the date of manufacture when the product is stored properly at a temperature no greater than 72° F. Exposure to temperatures above 72 F will reduce the shelf life of the product. AT-2010 should never be frozen.



### Clean Up

It is important to remove excess adhesive from the substrate before it is cured. Solvent cleaners such as alcohol or MEK yield good results. Once the adhesive has cured it will be very difficult to remove and may require as much as 350° F to soften to allow removal.



### Effects of Temperature

AT-2010 is best used at temperatures between 65° F and 80° F. Temperatures below 65° F will slow the cure speed of the material and the viscosities will be higher. Temperatures above 80° F will cause the material to cure faster and the viscosities will be lower. For consistent dispensing maintain temperature as listed above.

### Precautions

AT-2010 is flammable. Keep it away from heat, sparks and open flames.

Keep out of reach of children. This product is for industrial use only. Keep containers closed when not in use. Avoid contact with skin and eyes. Harmful if swallowed. Refer to Material Safety Data Sheet (MSDS) for more complete safety information.

### Mixing

It is highly recommended that either meter mix equipment or cartridges with static mix nozzles be used to properly ratio and dispense the adhesive. For hand mixing, combine Part A and Part B in the correct ratio and mix thoroughly. Heat buildup during and after mixing is normal. To reduce the likelihood of exothermic reaction or excessive heat buildup, mix less than 100 grams at a time. Mixing smaller amounts will minimize heat buildup.

### Bonding

For optimum bond strength and to insure maximum performance in the finished assembly mate parts together within the specified working time of the adhesive (3—4 Minutes). Make sure the bond joint has uniform coverage and that a sufficient amount of adhesive is in the bond area. It is important to have the adhesive applied, parts aligned and positioned, within the established work time for the product. To ensure maximum performance in the finished assembly parts should remain undisturbed until the joint is sufficiently cured.

For the highest strength bonds surfaces should be clean, dry, and free of contamination. Extensive surface preparation is not required for AT-2010 and good bonds can be formed on most substrates after a solvent wipe. However we recommend that metal surfaces (particularly aluminum) be given a scotchbrite cleaning to remove surface oxidation to achieve the highest bond strengths.

### Typical Packaging

AT-2010 is conveniently packaged in 50 ML cartridges. Special packaging is available on request.

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