



# High Strength Compound Epoxy Adhesive Technical Product Bulletin

### PRODUCT DESCRIPTION:

AA-BOND 28 is a two part, heat-resistant and low exotherm, epoxy adhesive formulation. It is a 100% solid epoxy adhesive, with superior chemical resistance and shear strength. Used accross all industries due to its resilience and odorless properties

AA-BOND 28 contains a thixotrophic agent which impedes thinning out of the material during heat cure when properly mixed and cured

#### **PRODUCT DESCRIPTION:**

Appearance	Amber	
Cure Type	Room temperature or Heat cure	
Benefits	<ul> <li>Room temperature or heat cure</li> <li>Tough enamel like cure</li> <li>Bonds variety of substrates</li> <li>Weather resistant</li> </ul>	
Mix Ratio by weight	100:100 / Resin:Hardener	
Substrates	Metals, glass, ceramics, wood and many plastics	
Operating Temperature	-40 to 163 °C	
Typical Application	Staking components, bonding, laminating and repair applications	

## CURE SCHEDULE:

20 min`	@ 177°C
30 min	@ 121°C
80 min	@ 93°C
4 to 6 Hours	@ 65°C

### **UNCURED PROPERTIES:**

Specific Gravity, mixed	1.07
Reactive solids contents, %	100
Pot Life	60 minutes

#### **MISC PROPERTIES:**

Shelf life	1 year
Glass Transition Temp, Tg	93°C
Hardness, Shore D	78
Tensile Shear Strength	2700 psi (Alum to Alum)

#### **GENERAL INFORMATION:**

For safe handling information on this product, consult the Material Safety Data Sheet, (MSDS).

### HOW TO USE:

- 1. Carefully clean and dry all surfaces to be bonded.
- Apply AA-BOND 201 completely mixed adhesive to the prepared surfaces, and gently press these surfaces together. Contact pressure is adequate for strong, reliable bonds; however, maintain contact until adhesive is completely cured.
- 3. Some separation of components is common during shipping and storage. For this reason, it is recommended that the contents of the shipping container be thoroughly mixed prior to use.
- 4. Some ingredients in this formulation provided may crystallize when subjected to low temperature storage. A gentle warming cycle of 52°C for 30 minutes prior to mixing components may be necessary. Crystallized epoxy components do not react as well as liquid components and should be re-dissolved prior to use for best results.

## **AVAILABILITY:**

This epoxy can be supplied in many different packages.

Atom Adhesives

Email: info@atomadhesives.com 200 Allens Ave, Providence, RI 02903 Phone: (888) 522-6742 - Fax: (877) 522-6742

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