



## PARSON ADHESIVES, INC.

3345 Auburn Road Suite 107 Rochester, MI 48309

Phone (248) 299-5585 Fax (248) 299-3846 Email: [sales@parsonadhesives.com](mailto:sales@parsonadhesives.com)

---

### PARBOND 300 Epoxy Adhesive

A versatile easy to use solvent free epoxy adhesive, which can be used to bond or repair most materials such as wood, metal, glass, ceramic, plastics and rubbers. The product hardens in 30 minutes with high bond strength and chemical resistance.

#### FEATURE:

- Easy to use two component adhesive system
- Excellent adhesion to wide variety of materials such as aluminum, copper, steel, brass, concrete, FRP/SMC, wood, glass, plastics, ceramics, painted metals, graphite, polyurethane, galvanized metals, rigid plastics, etc.
- High bond strength develops in 3-4 hours.

#### TECHNICAL DATA:

##### Liquid Adhesive:

Mixed Viscosity @ 25 °C	15, 000 – 20,000 Pa.S
Mixing Ratio:	1:1 vol/vol or wt/wt
Mixed Color:	Clear
Working Life:	30 minutes
Specific Gravity	1.1
Percent Solid	100
Adhesive Set-up Time:	2-3 hours.

##### Mechanical Properties:

Shore Hardness D (ASTM D 2240)	78 - 80
Shear Strength (N/mm <sup>2</sup> ) (DIN 53283)	18 - 24
Peel Strength (N/mm) (ISO 4578)	3 – 5
Thermal Conductivity (W/mK)	0.1
Coefficient of thermal expansion (1/k)	60 – 120 x 10 E <sup>-6</sup>
Dielectric Strength (kv/mm)	50 – 90
Volume resistivity (OHM/cm)	3 – 5 x 10 E <sup>12</sup>



## **PREPARATION:**

To achieve maximum performance from PARBOND 300 adhesive it is essential that all substrates are clean, dry and free from surface contaminations such as oil or grease.

## **Mixing:**

Mix PARBOND 300 epoxy adhesive of Part A to Part B of equal amounts. Mix two parts thoroughly for optimum performance. The epoxy can be dispensed, metered, mixed and directly applied to the bonding surface.

## **Application:**

After mixing PARBOND 300 adhesive should be applied directly to the surfaces to be bonded. If an insert is to be bonded in a socket or curved, surfaces to be fixed slight rotating of the units will eliminate any air entrapment and fully wet out both surfaces. Edge to edge bonds should be supported. Adhesive thickness of .005 inch (5 Mil) will provide the maximum bond strength.

Distributed by:  
Rudolph Bros. & Co.  
6550 Oley Speaks Way  
Canal Winchester, OH 43110  
Phone: 614-833-0707  
Fax: 800-600-9508  
e-mail: [rbcsupport@rudbro.com](mailto:rbcsupport@rudbro.com)  
[www.rudbro.com](http://www.rudbro.com)

**PRECAUTIONS:** This product and the auxiliary materials normally combined with it are capable of producing adverse health effects ranging from minor skin irritation to serious systemic effects. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheets (MSDS) for this and all other products being used are understood by all persons who will work with the product.

**Warranty:** All products purchased from or supplied by Parson are subject to terms and conditions set out in the contract. Parson warrants only that its product will meet those specifications designated as such herein or in other publications. All other information supplied by Parson is considered accurate but are furnished upon the express condition the customer shall make its own assessment to determine the product's suitability for a particular purpose. Parson makes no other warranty, either express or implied, including those regarding such other information, the data upon which the same is based, or the results to be obtained from the use thereof; that any product shall be merchantable or fit for any particular purpose; or that the use of such other information or product will not infringe any patent.