

Cyberbond

Cyberpoxy
5000

TECHNICAL DATA SHEET

The Power of Adhesive Information
Cyberbond
TM

Cyberpoxy 5000 is a fast curing epoxy adhesive that develops handling strength in about 3 to 5 minutes and will cure rapidly in thin films at low temperatures. It is an excellent industrial adhesive characterized by a non-critical mixing ratio. Cyberpoxy 5000 will readily bond most plastics, metals, ceramics, paper, wood and some rubbers. It is ideally suited to applications in electronics, and general product assembly.

Physical Properties - Liquid

Appearance	Clear (mixed)
Viscosity	14,000 cPs
Shelf Life	12 months unopened
Odor	Mild
Specific Gravity	1.16 gm/cc
RoHS Compliant?	24 hours

Curing Properties

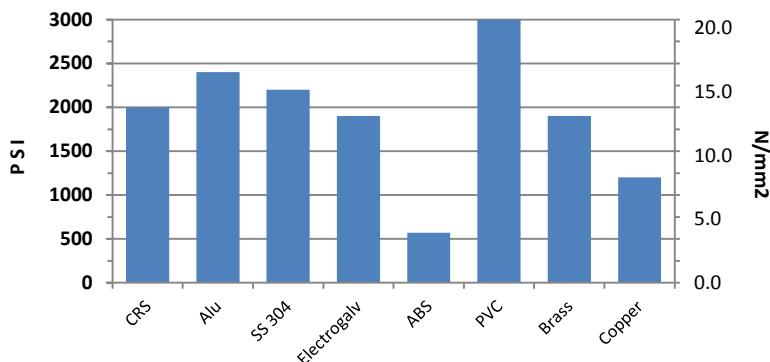
Open Time	3 - 5 mins	
Fixture Time	5 - 10 mins	
Full Cure Time	@ Room Temp	24 hours
	@ 66°C	2 hours

Physical Properties - Polymer (Solid)

Shore Hardness	79D
Operating Temperature	-40°F to 200°F
Elongation	n/a
Tg	n/a

Performance Results

Substrate	N/mm ²	PSI
CRS, abraded	13.8	2000
2024-T3 Aluminum, Acid Etched	16.5	2400
SS 304, abraded	15.2	2200
Electrogalvanized Steel, IPA wipe	13.1	1900
ABS, IPA wipe	3.9	570
PVC, IPA wipe	material failure	material failure
Brass, abraded	13.1	1900
Copper, abraded	8.3	1200



Specifications and Approvals

None

General Instructions

Surfaces to be bonded must be clean, dry and free of other contaminants. Measure out equal amounts of parts A and B and stir until homogenous or use a static mixing nozzle. Apply the uniform mixture to both surfaces. An optimum bond line is 5 mils. Allow to cure while being held in place with light clamping.

Storage

Product should be stored in a cool dry place out of direct sunlight. Shelf life is 12 months when properly stored in unopened, original containers.

Health Precautions

Avoid contact with skin and eyes. Wash with soap and water. Clean up spills with lacquer thinner. Consult msds before use.

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

Note

The data contained herein are furnished for information only and are believed to be reliable. Cyberbond L.L.C. cannot assume responsibility for the results obtained by others over whose method Cyberbond L.L.C. does not control. It is the user's responsibility to determine suitability for the product or of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, Cyberbond L.L.C. specifically disclaims all warranties of merchantability or fitness for a particular purpose arising from sale or use of Cyberbond L.L.C. products. Cyberbond L.L.C. specifically disclaims any liability for consequential or incidental damages of any kind, including loss of profits. The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any Cyberbond L.L.C. patents which may cover such processes or compositions. We recommend that each prospective user test the proposed application to determine its suitability for the purpose intended prior to incorporating any product or application in its manufacturing process using the data as a guide.

Cyberbond, LLC
401 N Raddant Road
Batavia, IL 60510
630.761.8900 tel

www.cyberbond1.com

Cyberbond Europe GmbH
Werner-von-Siemens Straße 2
D - 31515 Wunstorf, Germany
49 / 50 31 / 95 66 - 0 tel

www.cyberbond.de