



53 C Otis Street
West Babylon, NY 11704
Tel. 631-920-5079 Fax. 631-920-0503
E-mail SalesSET@optonline.net
www.SET-mfg.com

Set-Bond 5030

General Purpose Epoxy Casting Compound

Set-Bond 5030 is a medium curing epoxy adhesive that develops handling strength in about 30 to 45 minutes and will cure rapidly in thin films at low temperatures. It is an excellent industrial adhesive characterized by a non-critical mixing ratio. **Set-Bond 5030** 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

<u>Liquid</u> Appearance	Clear (mixed)
Viscosity (cP @ 68°F)	14,000 cP
Peak Exotherm	150°C
100 gram preparation	
Shelf Life @40°F	12 months unopened
Odor	Mild
Specific Gravity	1.19 gm/cc

Curing Properties

Gel Time	30 minutes
100 gram preparation	
<u>Solid</u>	
Operating Temperature	-40°F to 200°F

Performance Results

Shear Strength (ASTM D1002)	Strength (psi)
Substrate/Surface Preparation	
CRS, Abraded	2400
2024-T3 Aluminum, Acid Etched	2800
SS 304, Abraded	2600
Electroalvanized Steel, IPA wipe	2300
ABS, IPA wipe	630
PVC, IPA wipe	500 (material failure)
Brass, Abraded	2100
Copper, Abraded	1500

Read Warranty on Back of Technical Data Sheet

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. Adhesive will set in 30 to 45 minutes with handling strength developed in 45 to 60 minutes. Majority of cure will take place within 1 hour with full cure in 24 hours.

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.

Warranty

Silicone & Epoxy Technology accepts no liability, in negligence or otherwise, in this communication. Under no circumstances shall the company be liable for incidental, consequential or other damages from alleged negligence, breach of warranty, strict liability or any other theory, arising out of the use or handling of this product. The sole liability shall be the purchase price of the product. You should test the material to determine if the material is suitable, and/or claims are valid, in your particular circumstances. None of the possible or suggested uses of the materials in this communication are licensed under any Silicone & Epoxy Technology patent covering such use or a recommendation for use of such materials in the infringement of any patent.

Silicone & Epoxy Technology

Phone: 631-920-5079 Fax: 631-920-0503

Place Orders To: SalesSET@optonline.net

www.SET-mfg.com