

See An LED Curable Adhesive In Action



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[Video: Adhesive Academy: Heat Curing 102](#)

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EP90FR-V: Flame Resistant Two Part Epoxy for Aviation Applications

The non-halogenated EP90FR-V sets a new standard of flame retardancy as it passes the stringent vertical burn test of the FAR 14 CFR 25.853(a) specification. This strict industry certification is often required for specialty aerospace applications such as interior panels, door frame lining, floor/door assemblies, etc.

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NEWS

[Video: What to Expect from the LED Curing Process](#)

LED Curing Adhesives



Master Bond's specialty one component LED curable adhesives are designed to provide safe and rapid cures upon exposure to LED light at ambient temperatures. These systems cure tack free and are ideal for potting and encapsulation. They feature high bond strength, thermal stability, chemical and water resistance. Watch how easily this compound cures under an LED lamp.

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EP42HT-2LTE: Room Temperature Curing, Dimensionally Stable Epoxy Compound



Featuring an exceedingly low coefficient of thermal expansion of $9-12 \times 10^{-6}$ in/in/°C, EP42HT-2LTE is a two component epoxy for bonding, sealing, coating and select casting applications. This epoxy will bond well to a wide variety of substrates, including metals, composites, ceramics, glass and many plastics. It is also noteworthy for its low linear (<0.01%) and volumetric (<0.1%) shrinkage. It has a forgiving, non-critical mix ratio and after mixing, the consistency is that of a paste with some flow.

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[On Demand Webcast: How to Select the Right Adhesive for Aerospace Applications](#)



Master Bond's technical experts discuss the selection process of an adhesive as well as the many parameters to consider, including adhesion, temperature resistance, handling and curing time, among others. They also focused on the different cure mechanisms and the choice of fillers.

This webinar and the slides are now available on demand. Download them today.

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MasterSil 920-LO: NASA Low Outgassing, One Part Silicone



Passing ASTM E595 testing for NASA low outgassing, Master Bond MasterSil 920-LO is a high performance, room temperature vulcanizing silicone for sealing, coating and small encapsulations. This single component, non-corrosive system has a moderate, flowable viscosity and a solid electrical profile, which makes it well suited for conformal coating applications in the electronic and optical industries. Featuring a soft durometer of 25-35 Shore A, this low stress silicone can protect sensitive electronic components.

[Learn more »](#)

[Video: Adhesive Academy: Heat Curing 102](#)

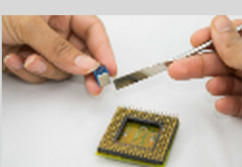


Dr. B, Master Bond's resident adhesive expert, explains how to enhance a variety of performance characteristics, such as thermal stability, electrical properties and chemical resistance by using heat when curing epoxies.

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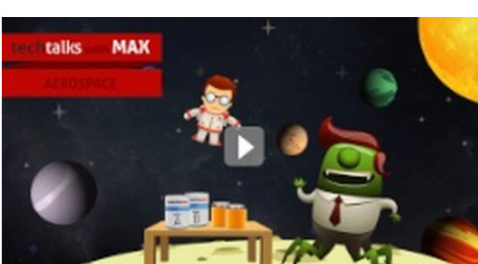
EP48TC: Unsurpassed heat transfer capabilities



Specially formulated, two part epoxy EP48TC has ultra low thermal resistance properties of $5-7 \times 10^{-6}$ K•m²/W. The system uses a combination of high thermal conductive fillers and is capable of being applied in bond lines as thin as 10-15 microns. It also features unmatched thermal conductivity of 20-25 BTU•in/ft²•hr•°F [2.88-3.60 W/(m•K)]. EP48TC has first rate electrical insulation properties over the wide service temperature range from -100°F to +300°F.

[Learn More »](#)

[Video: Tech Talks with Max: Aerospace](#)



Max gets down to business in his new video series "Tech Talks with Max" that provides more detailed information on adhesives, sealants and coatings. In this episode, he blasts past the stratosphere to deliver the aerospace catalog to the far corners of the universe.

Join Max and Master Bond at booth 1007 at the Space Tech Expo this May 19-21, 2015 at the Long Beach Convention Center, Long Beach, California!

[Watch now »](#)



Long Beach, California
May 19 - 21, 2015

Visit
Master Bond
Booth 1007

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