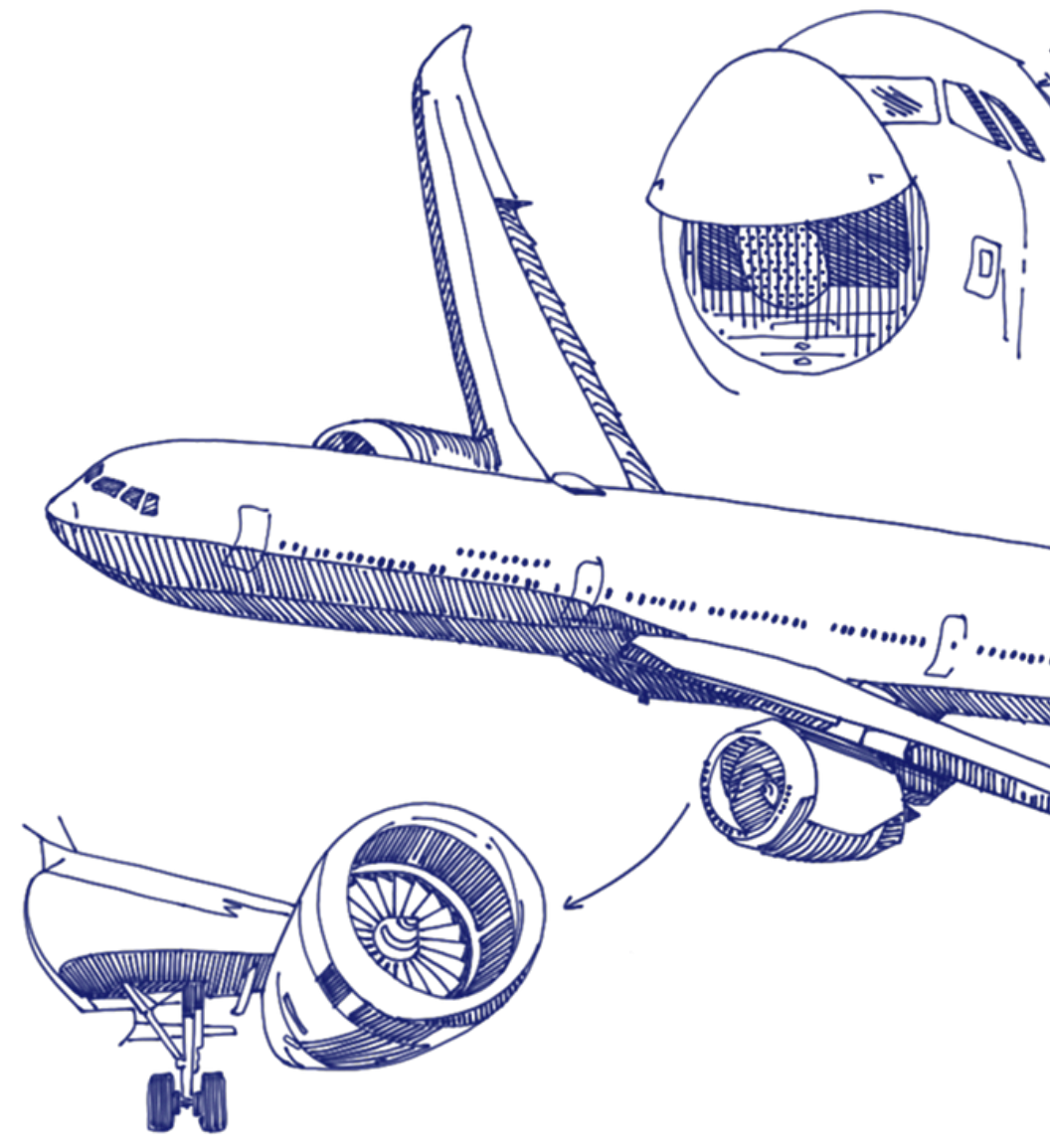

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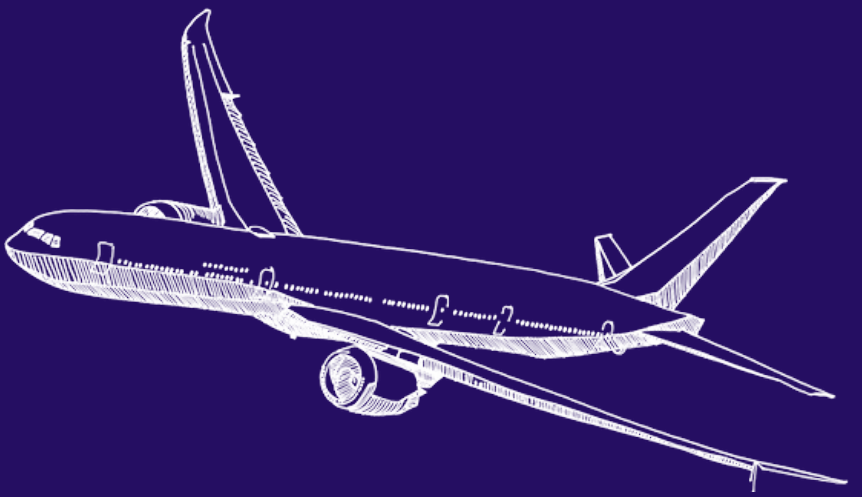

www.beaconadhesives.com | Phone 914-699-3400 | info@beaconadhesives.com
125 South Macquesten Parkway Mount Vernon, New York 10550

BEACON

ABOUT US

Since the 1920s, innovators have come to Beacon Adhesives for answers to impossible problems. Crafters, designers, and engineers alike count on us-the creative adhesive company, for customized solutions in every field. From fashion accessories to aerospace technology and crafting to construction, we believe in making products so the modern maker can move forward. Keeping production local in Mount Vernon, New York, we continue inventing new adhesives, stirring up sealants, coatings, potting compounds and more. Look in any craft closet, workshop, lab or DIY space, you'll likely find a supply of Beacon Adhesives hard at work on ideas that stick.

BEACON

AEROSPACE & AVIATION

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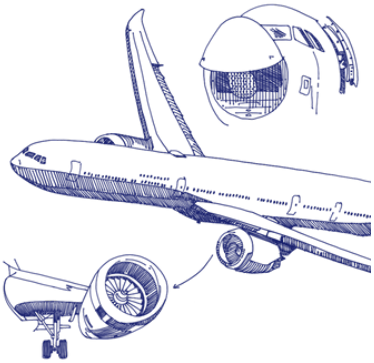

Beacon Products have proudly been used in Aerospace & Aviation for over 70 years. Usage includes aircraft and aerospace epoxies and sealants for space missions, military and defense production, helicopter manufacturing and repair, drone manufacturing and repair, navigation systems, control panels, commercial air crafts, firewall assembly, shaker control assembly, shims, and more.

Our adhesives are also approved for aerospace electronics, and aerospace interior assembly.

This symbol indicates a Beacon product that has been highlighted due to its specific functionality, unique specifications, or high demand. Please contact us for more information.

Magna-Tac® A39

Usage: A solvent-free, two-component epoxy adhesive for metal-to-metal and rigid material bonding. Commonly used in aerospace fuel management systems.

Magna-Tac® A31

Usage: A terminal sealer where the viscosity of the adhesive is essential to successful spot bonding of the wires to the terminal. Also used for fabrication and repair of airframe parts.

Magna-Tac® M24

Usage: Bonding metals, rigid plastics, and porous materials. Commonly used in firewalls in helicopters.
Specifications: Bell Spec 299-947-107 Type 3 Class 6, Agusta 199-05-107 Type 3 Class 6

Magna-Tac® BU120D

Usage: Various military applications. A high-strength adhesive that bonds metals and other rigid materials, cures at various temperatures, resists heat up to 400°F, and has excellent chemical resistance.

Magna-Tac® 628

Usage: A two-part epoxy adhesive that forms strong, flexible bonds, cures at room temperature without pressure, and resists weather, chemicals, and galvanic action.

Magna-Tac® BM16

Usage: A neoprene contact cement for bonding various materials, offering high tack. Commonly used in Control Shaker Assembly.
Specifications: Control Shaker Assembly PN C-07202-2 (MFG Safe Flight Instrument) for B737NG Fleet

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Magna-Tac® 611 with CH1

Usage: Bonding metals, glass, plastics, and laminates. Cures at room or elevated temperatures. Commonly used in Antenna bases.

Magna-Tac® 611 with CH16

Usage: Bonding metals, glass, plastics, and laminates.
Specification: Hamilton Standard Div. of United Technologies Corp. for the bonding of treated Teflon to anodized aluminum propeller blade shanks. | MMM-A-134 TYPE II

Magna-Tac® 640

Usage: High performance modified acrylic structural adhesive for bonding a wide variety of materials. Has outstanding shear and peel properties. Used for plastic and fiberglass bonding. Applications include ABS, polycarbonate, PVC.

Magna-Tac® 650

Usage: Used for hard to bond, low surface energy, such as highly plasticized materials. Ideal for vinyl flooring or resilient flooring.

Magna-Tac® M774

Usage: A high-strength, room-temperature curing epoxy adhesive for bonding plastic foams, metals, and rigid materials, as well as for sandwich panel fabrication.
Specifications: FPL Test Cycles ASTM Test D1037-55T & ASTM C481, Cycle A.

Magna-Cryl® 2464

Usage: A UV-curable, permanent protective coating for metal aircraft parts against exposure to jet fuels and other aircraft fluids.
Specifications: Boeing's BMS 1060-A

Magna-Tac® E645

Also available in water-based & powder forms

Usage: Metal to metal applications. Adaptable and suitable for large surface areas and mass production. Used in motors, electric motors, transformers, and fabrication of magnetic accelerator units. **Specifications:** US Air Force DWG #X8019406 Rev E

Magna-Tac® M773

Usage: A high-strength epoxy for bonding foams, metals, and rigid materials, as well as for sandwich panel fabrication. Cures at room temperature.

Magna-Tac® TR-580

Usage: A high-temperature epoxy adhesive designed for transformer cores. It is commonly used for epoxy impregnation in applications requiring durability and reliability.

Magna-Tac® TR 8899

Usage: To adhere metals and alloys in transformer cores, as well as electric motor rotors and stators.

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Magna-Tac® F310

Usage: For high temperature applications including motor laminates and transformer cores.

Magna-Tac M688

Usage: A thixotropic, two-part epoxy that cures at room temperature, ideal for bonding metals and rigid materials. Ensures minimal shrinkage, excellent weather resistance, and insulation properties.
Specification: MIS - 22451

Magna-Tac® 648T

Usage: A high-strength, two-component epoxy adhesive that cures at room temperature and bonds metals and rigid materials. Offers minimal shrinkage, insulation properties, and resistance to weather, galvanic action, and chemicals.

Magna-Tac® M620

Usage: A no-mix, solvent-free epoxy adhesive for strong structural bonds. Resistant to weather and chemicals, minimizes shrinkage, and works well for void-filling and controlled applications.

Want to place an order?

We ship directly from our New York and Connecticut distribution centers, and all our products are proudly made in the USA. Our knowledgeable lab technicians are available to set up a call and discuss your needs.

Contact us for product quotes, specifications, or technical information.

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Aerospace and Aviation	Part	Mix Ratio By Weight	Average Lap Shear or Peel Strength	Pot Life (qt) @ RT
Magna-Tac BU120D	Part A Part B	100 parts 40 parts	1,000 - 2,000 psi	30 min
Magna-Tac-E645	Part A Part B	100 parts 30 parts	4000 psi	1 month after mixing
Magna-Tac-E645 EP	One Part	One Part	-	1 month after mixing
Magna-Tac-E645 AQ	One Part	One Part	-	1 month after mixing
Magna-Tac M24	Part A Part B	4 parts 1 parts	20 PLI	-
Magna-Tac M611	Catalyst CH-1 Catalyst CH-16	100 parts | 6 parts 32 parts | 6 parts	2500 psi 2500 psi	2.5 hours (1 qt)
Magna-Tac M620	One Part Heat Cure Epoxy	One Part	1400 psi	20 minutes (1 qt)
Magna-Tac M628	Part A Part B	100 parts 210 parts	2500 psi	-
Manga-Tac 648T	Catalyst CH-8 Catalyst CH-16	100 parts | 20 parts 100 parts | 50 parts	2500 psi 2500 psi	1 hour (1 qt)
Magna-Tac M688	Catalyst CH-8 Catalyst CH-16	100 parts | 13 parts 100 parts | 32 parts	1500 psi 2100 psi	20 - 45 Minutes
Magna-Tac M773	Part A Part B	100 parts 100 parts	2500 psi	20 - 45 Minutes
Magna-Tac M774	Part A Part B	100 parts 30 parts	2000 psi	
Magna-Tac M777	Part A Part B	100 parts 100 parts	2200 psi	45 Minutes (1 qt)
Magna-Tac F310	One-Part Heat Cure Epoxy	-	4500 psi	-
Magna-Tac A39	Part A Part B	70 parts 20 parts	2500 psi	30 min (175 gms)

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