



OUR CHEMISTRY IS EPOXY SYSTEMS



Epoxy Resins For Drone Manufacturing

United Resin formulates a number of epoxy resin systems used in drone manufacturing. Due to its strong mechanical properties, lightweight nature, and versatility, epoxy resin is an excellent material for many drone applications.

Key uses of epoxy in drone manufacturing include:

Structural Components, Epoxy for Composite Materials, Electronic Encapsulation, Adhesive Applications and Epoxy for Thermal Management

Featured United Resin Epoxy Systems for Drone Manufacturing

Metal Paste with 215 Hardener is a thixotropic structural adhesive which cures at room temperature and possesses superior strength up to 350F/177C.

High-Temp Adhesive with 210 Hardener is a two-component, low viscosity, room temperature cure system with excellent strength at 300F/149C.

Uni-Bond 1070 with 601 Hardener is a general-purpose laminating material with a low viscosity. It is ideally suited as an adhesive for laminating and lay-up applications.

Flex A Bond with 740 is available in our regular formulation, a sprayable formulation and a paste formulation. A key advantage of this epoxy structural adhesive is its ability to work well with hard to bond materials such as PTFE, nylon, ceramics and stainless steel.

Hi-Strength Tuff Bond with 250 Hardener is a non-sagging thixotropic room temperature cure, high strength adhesive for a variety of substrates including those hard to bond materials such as PTFE, nylon, acetal, and stainless steel.

The use of epoxy in drone manufacturing is critical for achieving the desired performance characteristics, such as durability, lightness, and resistance to environmental conditions, which are essential for both recreational and commercial drones.

Contact us for more information on these products or other epoxy resin systems

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