



# ResinFormulators

INNOVATIVE MATTERS

## SOLVING UNIQUE CHALLENGES THROUGH CUSTOM ENGINEERING

Resin Formulators – exclusively engineered by the manufacturing division of GracoRoberts – is the time-tested and trusted brand of epoxy, urethane, and silicone specialty materials that can be uniquely customized, tested and certified on-demand.

We are thrilled to announce that Resin Formulators has moved to a brand new, world-class facility designed to deliver high-quality and cost-effective solutions that are distinctively tailored to meet your advanced engineering needs. The new facility is complete with an on-staff chemist and lab technician, a team of formulators, dispensers, labelers, and packagers, three times the stocking and freezer space, upgraded production machinery and packaging equipment, and a new laboratory designed for state-of-the-art product development and in-house mechanical testing capabilities.

Whether you need a proprietary formulation for a specialty material, are looking to improve cure rates, or simply modify color or viscosity, Resin Formulators can help. Our innovative solutions serve many of the biggest names in engineering, and have solved complex challenges in nearly every manufacturing industry for over 60 years.

## COMMITMENT TO QUALITY AND SERVICE

GracoRoberts and Resin Formulators are fully qualified to design, manufacture, and distribute products to a variety of industries. We are independently certified to three rigorous international quality standards: ISO 9001:2015, AS9100 (Rev. D) and AS9120 (Rev. B).

To verify compliance with the requirements of these certifications, we engage in routine on-site examinations and audits of our processes. These certifications, along with stringent self examination practices, help ensure that we provide the highest quality products and services to our customers.

## CAPABILITIES TO SOLVE EVERY MANUFACTURING CHALLENGE



### CUSTOM FORMULATION

- Reduce material costs and eliminate haz-mat fees
- Team of formulators, dispensers, labelers, and packagers
- Upgraded production machinery and resource scheduling tools
- Achieve lot to lot consistency
- Access to GracoRoberts robust product line for base materials
- Create equivalent products or enhance physical and mechanical properties of your required product



### FULL-SERVICE LAB & TESTING

- Unique and proprietary formulations developed to your specification
- Modifications to existing formulas to improve characteristics
- On-site Chemist, lab technician, and Certified Laboratory
- Comprehensive design, development and review process
- Authorized physical and mechanical testing
- Certification done on-site



### SPECIALTY PACKAGING

- Specialty packaging for better point-of-use ranging from 1cc to tote tanks
- Small batch capabilities, repacking, kitting and storage to fit your specific need
- Pre-mixed and frozen systems
- Custom labeling and RFID bar coding services
- Down-packing, barrier kits, single component cartridges, side-by-side cartridges, bi-packs, pre-mixed and frozen, pudding cups, totes, syringes, and more



### STANDARD & STOCKED

- Certified Manufacturer and stocking distributor of Resin Formulators epoxy resin systems
- Immediate availability
- Ability to stock at our five distribution locations across the US
- Thermally and electrically conductive materials
- Solutions for every application: Potting, encapsulation, laminating, filament winding, adhesives, syntactics, specialty materials, curing agents

LEARN MORE AND SHOP: [www.resinformulators.com](http://www.resinformulators.com)



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## AEROSPACE FOUNDATION. BROAD APPLICATION.

Resin Formulators was developed decades ago to serve the highly technical aerospace industry and has designed our business around specification-driven work. Our new world-class facility was designed with the intent to live and breathe our motto, “innovative matters.” To us, that meant building a completely new space and making significant investments in our people, products, processes, and technology to encourage innovation and facilitate growth. We have diversified and formalized our portfolio of solutions for aerospace and other high-quality advanced engineering industries including automotive, composites, construction, electronics, marine, medical, sporting goods, electric vehicle, and more.

As part of that growth, Resin Formulators has developed over 4,000 custom and off-the-shelf boutique solutions including adhesives, sealants, potting and encapsulation compounds, lamination and filament winding systems, high-temperature epoxies, resin systems, syntactics, and other specialty materials.

## TEST. RETEST. CERTIFY.

Resin Formulators is ISO9001:2015, AS9100, and AS9120 certified, and tests and certifies each of our products according to the highest industry standards. In-house testing capabilities speed up the product development timeline by fifty percent, and increases our ability to test for customer specifications, batch requirements, and assist with expedite delivery needs.

Our advanced testing equipment enables us to test a wide range of unique physical and mechanical properties and make informed suggestions for production usages. As part of the product development experience, you will receive a TDS with full specifications to verify that what we have formulated meets your requirements.

NEW TESTING CAPABILITIES		ADVANCED TESTING EQUIPMENT
• Cure kinetics	• Tensile strength	• MTS - Mechanical testing machine
• Density	• T-Peel strength	• DSC
• Specific gravity	• Degree of cure	• DMA
• Viscosity	• Gel time	• FTIR
• Water absorption	• Glass transition	• Rheometer/Parallel Plate viscometer
• Compression	• Heat capacity	• Brookfield viscometer
• Fracture toughness	• Melting point	• Instron Hardness devices, 00/A/D
• Shore hardness	• Reaction kinetics	• Boilers
• Lap shear	• Dynamic Mechanical Analysis	
• Pot life	• Differential Scanning Calorimetry	
• Flammability		
• Fourier Transform Infrared Spectroscopy		

We're ready to help you solve your advanced engineering challenges.

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