



# ResinFormulators

INNOVATIVE MATTERS

## FULL-SERVICE LABORATORY AND TESTING

Resin Formulators, the custom formulation division of GracoRoberts, is the time-tested and trusted brand of epoxy resins that can be uniquely customized, tested and certified on-demand.

We are excited to announce that we have built a completely new, state-of-the-art facility which includes a laboratory designed for state-of-the-art product development and expansive in-house mechanical testing capabilities. Our brand new, fully certified lab has tripled in size, and we've made significant investments in advanced testing equipment and chemical storage space. Resin Formulators' 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.

Customers benefit from our adaptable and nimble quality-focused approach and world-class technical and service experts who are dedicated to understanding your specification requirements. 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.

## 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.

## AUTHORIZED TESTING CAPABILITIES

- » Cure kinetics
- » Density
- » Specific gravity
- » Viscosity
- » Water absorption
- » Compression
- » Fracture toughness
- » Shore hardness
- » Lap shear
- » Tensile strength
- » Degree of cure
- » Gel time
- » Glass transition
- » Heat capacity
- » Melting point
- » Reaction kinetics
- » Dynamic mechanical analysis
- » Differential scanning calorimetry

## TESTING EQUIPMENT

- » Mechanical testing machine
- » Rheometer/Parallel Plate viscometer
- » Brookfield viscometer
- » Instron Hardness devices, 00/A/D
- » DSC
- » DMA
- » FTIR
- » Boilers

## MEET YOUR EXPERTS



### DOUG SODEN, SENIOR RESEARCH CHEMIST

Doug Soden is Resin Formulators' in-house Senior Research Chemist and has over 37 years of extensive chemical research knowledge. He helps customers design and test new custom formulations or modify existing products using a comprehensive design, development, and review process.



### DAVID ASH-GILBERT, DIRECTOR OF PRODUCT DEVELOPMENT

David Ash-Gilbert is Resin Formulators' Director of Product Development and utilizes his 15 years of experience to create unique solutions for the aerospace, electronics, and other advanced manufacturing industries. He is dedicated to offering consultative technical support to develop high-quality and cost-effective solutions for customers.

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