



MIRteq Inc

T~ (260) 490 3706 | F~ (260) 489 9084 | E~ [sales@mirteq.com](mailto:sales@mirteq.com)

2201 Suppliers Court, Fort Wayne IN 46818

## MICROFIBER MOLDING RESINS – ONLINE BROCHURE



### REVOLUTIONARY MOLDING SOLUTIONS YOU CAN BUILD A BUSINESS ON

MIRteq supplies a range of thermoset resins that produce high quality, precisely engineered closed molded products with a compelling value proposition, without requiring expensive molds or million-dollar injection equipment.

Speciality products include:

- general molding
- roto-casting
- low exotherm; and
- chemically resistant

resin systems and pastes, developed using either MIRteq's award winning micro-fiber systems or latest generation resin-alloy technology.

## MIR – CLOSED AND OPEN MOLDING SOLUTIONS

Microfiber composites enable fabricators to closed mold composite parts with complex shapes easily, efficiently and with engineered precision at room temperature.

They are ideally suited to custom fabrication where capital outlays, precision, consistency and speed to market is paramount.

The fiberglass industry has not changed much in the last 70 years. This is a revolutionary new development for custom fabricators because it 'breaks the mold', is relatively inexpensive, highly efficient and facilitates production-line outcomes for non-structural components.

Like thermoplastics and urethanes microfiber composites have uniform strength in all directions and rely on 'strength by design'. Components can be molded and designed so they are 'fit for purpose' and can even incorporate traditional fiberglass laminates where localized or additional strength is required.

They do not require expensive molds or sophisticated injection equipment, molded parts require minimal labor, trimming or rework and components are not limited by size.

Commercially produced micro-fiber components have in the last 3 years been preferred to thermoplastics, urethanes, cast metals, epoxies and light RTM because of their favourable value propositions and structural integrity.

The materials are available with UV protection. It can also be painted, pigmented or chromed.

#### Other features:

- ✓ are **faster to market** than other capital intensive alternatives
- ✓ less labor intensive and have faster cycle times than other alternatives
- ✓ are machineable
- ✓ minimize material waste
- ✓ have a low factory overhead
- ✓ are **not limited by size**
- ✓ have **compelling value propositions**; and excellent EH&S outcomes

Speciality products include: • general molding • roto-casting • low exotherm • tooling • high HDT formulations • pastes; and • chemically resistant resins

Micro-Fiber Composites - Opening up a World of New Opportunities