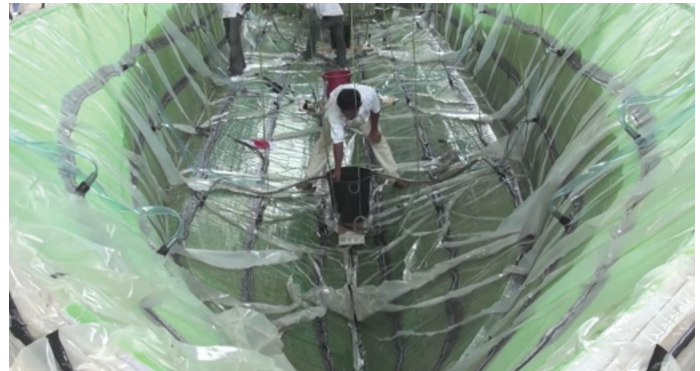




RESIN INFUSION EPOXY SYSTEMS

Freeman's Resin Infusion Epoxy Systems were developed to meet the needs of composites manufacturers involved in vacuum assisted resin transfer molding. These products feature the low viscosity and long pot life needed for proper wet-out of fiberglass, carbon, and other reinforcing materials used in infusion processes. They also offer good dimensional stability and cured physical characteristics to support production of high quality void-free composite tools and parts.



These systems are designed for the Seemans Composite Resin Injection Molding Process (SCRIMPSM), used on boats and other nautical applications.

Specifications

	Mix Ratio (by wt.) Resin:Hardener	Gel Time (min.) @ 72°F	Demold Time (hr.) @ 72°F	Hardness (Shore D)	Mixed Viscosity (cps)	Density (g/cc)	Volumetric Yield (in. ³ /lb.)	Shrink (in./in.)	Compressive Strength (psi)	Flexural Strength (psi)	Tensile Strength (psi)	Elongation (%)	Color
<i>Araldite LY 8601/8602 (Discontinued)</i> <i>See Freeman 9602</i>	100:25	70	24	82	175	1.12	24.6	0.001	15,410	11,013	7,871	6	Clear
Freeman 9602	100:22	70	24	86	220	1.13	24.5	0.002	15,800	20,500	12,500	4.3	Clear Amber
<i>Araldite LY 8604/8604(Discontinued)</i> <i>See Freeman 9604</i>	100:15	220	24	81	370	1.14	24.3	0.001	17,790	11,411	7,600	2	Clear
Freeman 9604	100:28	130	24	84	300	1.10	25.1	0.002	13,800	17,500	10,300	7.2	Amber
<i>Araldite LY 8605/8605 (Discontinued)</i> <i>See Freeman 9605</i>	100:35	480-580	24	89	700	1.06	26.0	-	-	12,200	6,921	2.5	Clear
Freeman 9605	100:35	500	24	89	500-700	1.09	25.4	-	15,700	19,000	9,700	5.6	Clear Amber
<i>RenInfusion 8610</i> <i>(Discontinued - no alternative)</i>	100:35	480-580	24	89	700	1.06	26.0	-	-	12,200	6,921	2.5	Clear
ASTM	-	D-2471	-	D-2240	D-2393	D-792	D-792	D-2566	D-695	D-790	D-638	D-696	-

Freeman 9602

- ▶ 220 cps Viscosity
- ▶ 70 min. gel time
- ▶ 86 Shore D

Freeman 9602 is a two-component, low-viscosity epoxy system developed for use in the production of advanced composites using vacuum-assisted resin transfer molding (VARTM), resin

transfer molding (RTM), or other infusion processes. A post cure is recommended to obtain maximum physical and thermal properties of the system.

Freeman 9604

- ▶ 300 cps Viscosity
- ▶ 130 min. gel time
- ▶ 84 Shore D

Freeman 9604 is a two-component, low-viscosity epoxy system developed for use in the production of advanced composites using vacuum-assisted resin transfer process (VARTM), resin

transfer molding (RTM), or other infusion molding. A post cure is recommended to obtain maximum physical and thermal properties of the system.

Freeman 9605

- ▶ 500-700 cps Viscosity
- ▶ 500 min. gel time
- ▶ 89 Shore D

Freeman 9605 is a low viscosity epoxy system featuring an exceptionally long room temperature gel time. Developed for use in the production of advanced composites using

vacuum-assisted resin transfer molding (VARTM), resin transfer molding (RTM), or other infusion processes. This system requires a post cure for use at elevated temperatures.

ABOUT FREEMAN MANUFACTURING & SUPPLY CO.

Freeman is North America's extensive composites manufacturing materials supplier offering a comprehensive selection of fiberglass and carbon fabric, resins, releases, vacuum-bagging materials, and high-temperature tooling boards. Freeman's 13 locations across North America and dedicated technical team allows for high-quality products and service.

BRANCH LOCATIONS & PUBLIC WAREHOUSES

Freeman has strategically placed satellite locations across North America with customer service representatives ready to help. Thousands of products are stocked at these locations as well as public warehouses to reduce your shipping costs.

STRATEGIC & EFFECTIVE STOCKING SYSTEMS

Freeman's inventory staff constantly monitors sales and stocking data across the country to properly provide the right amount of products at each location.

WORLDWIDE SHIPPING

Freeman ships orders all across the globe and has various international distributors available to supply customers with top-quality products.



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TERMS & CONDITIONS

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