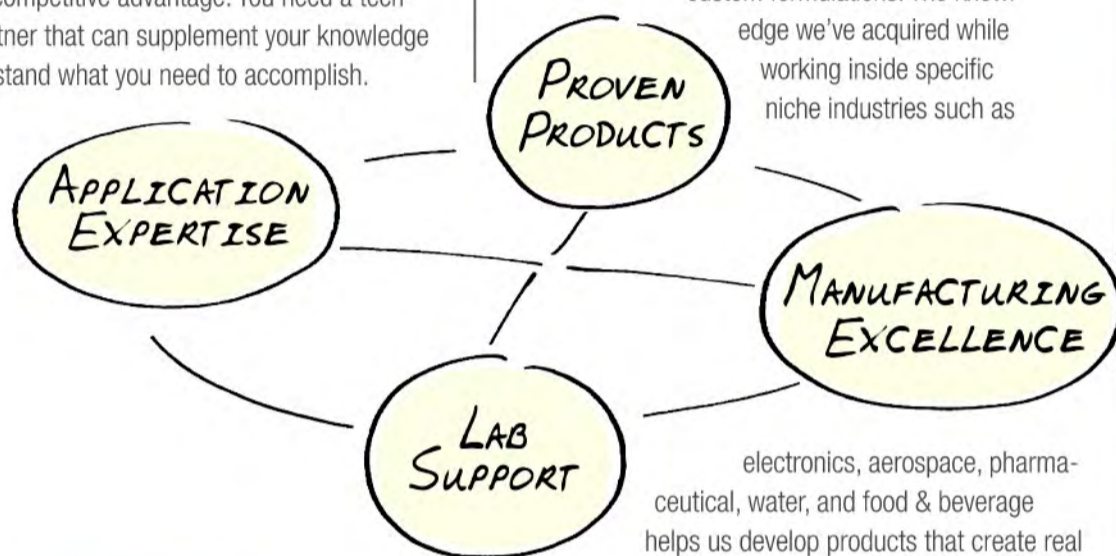


Total solutions that fit your lean manufacturing initiatives.

You need someone that understands your business.

The filter manufacturing challenges you face today are more than just process problems. They are business problems that affect your bottom line.

The industry is changing quickly—making it tough to keep a competitive advantage. You need a technology partner that can supplement your knowledge and understand what you need to accomplish.



Epmar applications experts. Proven products.

Epmar Corporation has been developing and manufacturing low- and zero-VOC coatings and adhesives since 1980. Our staff consists of experienced chemists, field engineers, and support professionals who have a proven record of developing and commercializing technically advantaged custom formulations. The knowledge we've acquired while working inside specific niche industries such as

electronics, aerospace, pharmaceutical, water, and food & beverage helps us develop products that create real value for your business—by reducing cost and trimming time from processes to make your operations more profitable.

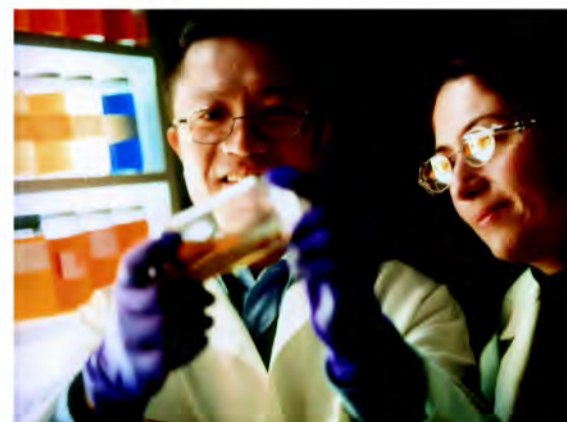
Real business results.

We can help you meet your lean manufacturing initiatives. For example, we were able to provide a solution for a global filter manufacturer that reduced their curing time by 50%. That translates into major savings.

Many customers turn to us when they need to meet new industry or environmental requirements. We can deliver the performance they need. We have basic chemistries that meet or exceed the tough regulations in many industries. One example is our line of filter products that meet the FDA 175.105 requirements for use in the food & beverage and pharmaceutical industries.

With Epmar, you'll get a solution that really works and puts you on the fast track to improved processes. Starting with our proven products, our scientists and applications experts will develop a strategy and create a formulation for your precise application.

State-of-the-art facilities. Put our lab and plant to work for you.



Our facility in California—a state-of-the-art laboratory and manufacturing plant—serves domestic and international customers. Tough industry regulations and demanding environmental conditions, especially in the food and drug industry, require we maintain the highest standards. Our facility has achieved an ISO-9001 rating.

With Epmar as your resource, you get a total solution. We can handle it all—from running lab tests to field tests at all your locations. And, Epmar can provide you with delivery of large- and small-batch formulations when and where you need it.

Epmar: Backed by Quaker Chemical Corporation, a \$460 million global company.

Epmar is a wholly owned subsidiary of Quaker Chemical Corporation, a \$460 million New York Stock Exchange company based in Conshohocken, Pennsylvania. Quaker is a leading global provider of process chemicals, chemical specialties, services, and technical expertise to a wide range of industries—including steel, automotive, mining, aerospace, tube and pipe, coatings, and construction materials. Its products, technical solutions, and chemical management services enhance customers' processes, improve their product quality, and lower their costs.



A Quaker Chemical Company

Call **1.877.99.EPMAR**
www.epmar.com

Total Solutions for Adhesives, Encapsulants and Coatings.



Epmar's Portfolio of Proven Products

Filter Epoxies, Polyurethane Adhesives and Encapsulants

Aerospace Fuel Filter Market

Polyurethane

- SS2130** Two component
- Outstanding chemical resistance

Air Filter Market

Polyurethanes

- SS2125**
- High performance

- EKS155**
- High performance
 - Rapid de-mold

Fluid Filter and Medical Markets

Epoxy Systems

- SS1919** Low viscosity, clear amber, 100% solids
- Meets FDA 175.105 requirements
 - Excellent adhesion to most substrates
 - High chemical resistance
 - Fast manufacturing process time

- SS1934** Low viscosity, clear amber, 100% solids
- Meets FDA 175.105 requirements
 - Excellent adhesion to most substrates
 - High chemical resistance

- SS1932** Low viscosity, light amber, 100% solids
Developed for hollow fiber membrane filter membranes
- Meets FDA 175.105 requirements

- Oxy-Shield** Potable tank lining
- UL ANSI/NSF Standard 61 Approved
 - Excellent Adhesion
 - Abrasion Resistant
 - Resilient Coating
 - Zero-VOC

Polyurethane Membrane Adhesive

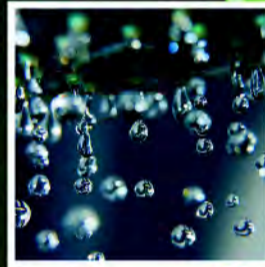
- SS2120** Used to bond membrane layers
- High performance
 - FDA 175.105 Approved
 - EU Approved for indirect food contact



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Total Solutions for Adhesives, Encapsulants & Coatings.



Specialty and Decorative Polyurethanes

Decorative Market

- SS2105** A polyurethane and polyurea hybrid system. Component "A" is a MDI base pre-polymer and Component "B" is based on amine and polyether polyol
- Sprayable
 - Good chemical and moisture resistance
 - Fast de-mold time
 - Available in a casting version

Hand or Machine Processing Markets

- SS2014** Hard, rigid foam, gray, with a long cream time
- Ideal for such uses as artificial rocks and picture frames, decorative parts and other similar applications
 - A variety of densities (2 pcf – 30 pcf) are available

Epoxy and Polyurethane Compounds

Electrical and Telecommunications Markets

Casting Compounds

- SS1874** Two component, clear, room temperature curing epoxy
- Excellent electrical and physical properties

- SS2017** Two component, unfilled, 100% solids MDI based polyurethane potting and casting compound specifically developed for telecommunication connector blocks

Module Potting Compounds

- SS1803** Two component, black, low-viscosity electronic grade
- Excellent physical and electrical characteristics
 - Easy handling
 - High gloss surface appearance
 - Ideal for the encapsulation of electronic modules

- SS1804** Two component, black filled, room temperature curing epoxy
- Excellent electrical and physical properties
 - Easy handling
 - Self de-airation
 - High gloss surface appearance

- SS1836X** Two component, black, flame-retardant filled epoxy
- U.L. Listed 94V0
 - Excellent thermal properties
 - Low shrinkage
 - Lower coefficient of thermal expansion

- SS1873** Two component, filled epoxy compound
- Exhibits outstanding tensile strength
 - Crack resistant under extreme conditions

- SS1875** Two component, filled epoxy compound developed specifically for the potting of electrical and electronic modules
- Excellent thermal properties
 - Low shrinkage
 - Lower coefficient of thermal expansion

Module Potting and Encapsulant Compounds

- SS1920** Two component, white, heat-cure epoxy, developed for the potting and encapsulation of electronic components and circuitry. Formulated for the fly back transformer market—UL94V0
- Flame retardant compound
 - Contains no halogens or antimony oxide