

# TAILORED

CHEMICAL PRODUCTS, INC.

ADHESIVES TAILORED  
TO OUR **CUSTOMER'S**  
**NEEDS**



[tailoredchemical.com](http://tailoredchemical.com)

# ABOUT TAILORED CHEMICAL

Founded in 1977 and privately owned to this day, Tailored Chemical Products, based in Hickory, North Carolina, is a leading mid-sized manufacturer of adhesives. Tailored Chemical manufactures a full line of hot melts, water-based glues, emulsion polymers, mastics, urea and synthetic resins and other specialty chemicals for any industrial application. If we don't already make the adhesive you're seeking, we have the in-house expertise to formulate an adhesive "Tailored" to your needs.

Tailored Chemical Products is a company committed to customer satisfaction and versatility in product design. We have a reputation for thinking outside the box in order to adapt new or improved adhesive technologies and ideas into every product we manufacture. We are confident in our ability to offer superior customized and comprehensive adhesive solutions to every customer.

Tailored Chemical's complete vertical integration ensures ensure quality control, reliability and cost-effective pricing. Our staff of research chemists and lab technicians can formulate a wide range of adhesive products. We offer four production centers totaling 325,000 square feet of manufacturing space and a staff of more than 300 employees. Our fleet of modern tankers, tractor-trailers and box trucks are able to meet all your delivery needs. Our product lines, production capacity and experience can meet the most demanding needs of Fortune 500 companies, and yet we're also attentive to the needs of independent small-business owners.

Our proven capabilities can help with innovative product development, shorten product lead times and, in many cases, eliminate manufacturing issues related to adhesives.

If you're tired of dealing with adhesive issues, exploring a new application, or just looking to see if there is a better alternative to the product you've been using, contact us. We welcome the opportunity to learn about your requirements and we're eager to demonstrate the many ways our products can help meet your production requirements.



## WATER-BASED ADHESIVES

Since 1977, Tailored Chemical Products has manufactured water-based adhesives to service the furniture-making industry in the Carolinas. Over the years, we have greatly expanded our water-based manufacturing capabilities to include toll manufacturing and private labeling of water-based adhesives. Our product line includes polyvinyl acetates (PVA), vinyl acetate ethylenes (VAE) and vinyl acetate acrylates (VAA). Our diverse offerings give you the choice of varying levels of adhesive performance and ensure a fit tailored for your needs.



## HOT-MELT ADHESIVES

Tailored Chemical Products has manufactured hot-melt adhesives for decades. In 2012, we expanded our manufacturing capability by building a new 100,000-square-foot hot-melt facility in Hickory, North Carolina. We are capable of manufacturing hot-melt adhesives in pellets, chubs and drums, and we have a number of different packaging options available. Our versatile products include ethylene-vinyl acetate (EVA), hot-melt pressure sensitive adhesives (HMPSA), amorphous poly-alpha-olefin (PAO), and mettalocene adhesives and polyurethane (PUR) hot-melt adhesives.



## EMULSION POLYMERS

We manufacture a variety of emulsion polymers. These products include polyvinyl acetate homopolymers (PVAc), cross-linking (X-link) PVAc, vinyl acetate acrylate (VAA), high viscosity polymers and mastics. These polymers are non-toxic, non-corrosive, low-VOC and non-combustible. Applications include coatings, corrugate, paper, printing, wood processing, medium-density fiberboard (MDF), construction, packaging, adhesive and heat-sealing applications. These emulsion polymers bond with a variety of substrates including wood, cloth, paper and other porous materials.



## UREA AND SYNTHETIC RESINS

Our product line includes a wide range of urea and synthetic resin adhesive systems. These products are easy to use and offer various performance characteristics. They are commonly used in the manufacturing of plywood, particleboard and engineered wood products where their bonding strength is often greater than wood itself. We have a full array of catalysts (hardeners) in powder or liquid form. Our highly qualified staff of research chemists and lab technicians can custom-design single-component and multi-component adhesive systems to meet your specific needs.



## HIGH VISCOSITY WATER-BASED COMPOUNDING AND PACKAGING

Tailored Chemical Products has the manufacturing capability to produce high-viscosity materials with vacuum rated mixers capable of mixing products with viscosities as high as 1,500,000 centipoises. We have packaging lines to meet your requirements, with six lines dedicated to filling containers from a pint to 5 gallons in size. Two other lines handle cartridge and squeeze-tube packaging. We also have a fully automated bottling and packaging line that fills quart and gallon bottles for products with viscosities ranging between 50 and 15,000 centipoises.



## DEXTRINS

We manufacture starch-based (dextrin) adhesives to meet a variety of applications such as envelope gums, board lining, bottle labeling, box, lay-flat and litho-laminating. We can modify our formulations for tack, open time, color and other properties. These non-toxic and biodegradable products provide excellent bonding to paper, paperboard and other similarly porous materials.



## URETHANES

We manufacture a unique product line of urethane adhesives, all with excellent adhesion, thermal stability and outstanding chemical resistance. Our products bond well with similar and dissimilar substrates including metal, ceramics, wood, rubber and composites. Our product line has a broad customer base in the V-Cell and HEPA (high-efficiency particulate arrestance) filter industry.

## ADHESIVE PRODUCTION FIELD AUDIT

- *On-site review of adhesive use*
- *Analysis and custom formulations to improve efficiencies*
- *Follow-ups to ensure production integrity*

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## VERTICAL INTEGRATION



**TECHNICAL  
SUPPORT**



**R&D**



**RAW MATERIAL  
MANUFACTURING**



**ADHESIVE  
MANUFACTURING**



**LOGISTICS**

# LOCATIONS

## Corporate Headquarters / Plants 1 & 2

700 12th St Dr NW | Hickory, NC 28601

135,000 square foot facility that is home to our corporate headquarters and our high-viscosity adhesive manufacturing, packaging, bottling, custom tolling and warehousing operations.



## Plant 3

1120 Tate Blvd. SE | Hickory, NC 28602

100,000 square foot facility that is home to our custom compounding and large-scale water-based manufacturing assets, world-class hot melt production lines for EVA, pressure sensitive and metallocene products and an extensive research and development lab facility.



## SR #1

3440 Denton Rd | Thomasville, NC 27360

55+ acre site and manufacturing home of our diverse and extensive high-performance synthetic resin product line of urea, fiberglass mat, corrugating, ketone, particle board, fertilizer, wet strength and paper saturation polymers. In addition, we produce an extensive variety of customized catalyst dry blend adhesive products for a variety of end-use applications.



## SR #2

3438 Denton Rd | Thomasville, NC 27360

We are proud to introduce our multi-reactor emulsion polymerization manufacturing facility, completed in 2015 and capable of producing an extensive variety of water-based polymers and adhesives for a wide range of applications and industries. Combined with state-of-the-art pilot reactor capabilities and world-class lab facilities, the introduction of our environmentally friendly water-based polymers to the merchant market underscores our commitment to meet the most demanding needs of customers around the world.

