

Adhering to a Higher Standard

CAPITOL
ADHESIVES
Building Bonds that Last



We **Focus** on exceeding your needs.

The demands of today's industrial adhesive users are diverse with each having special needs. At Capital Adhesives, we specialize in meeting those needs and are committed to providing quality products and services to each customer.

Capital Adhesives has the capability and willingness to custom-formulate the right adhesive for you. If you have a specific performance requirement or a particular need that requires additional development, we can help. Whether it be hot melt or liquid adhesives, our focus is your needs.

We are an **ISO 9001 certified manufacturer**.

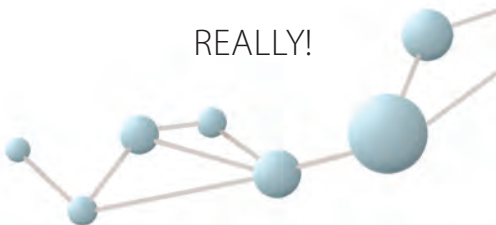
Capital Adhesives is dedicated to providing products that meet customer requirements for production performance and on-time shipment through shorter lead times, while maintaining our commitment to quality. Our on-time shipping record, technical support, and customer satisfaction are among the highest in the industry.



RESPONSIVE . . .

RELIABLE . . .

REALLY!





At Capital Adhesives, we're Building **Bonds** that **Last**.

Your satisfaction has always been our primary objective. Our commitment and quality assurance measures ensure consistent relationships with our customers.

Solid leadership, outstanding customer service and support, along with a spirit of cooperation, strengthen our relationships.

Professional Response

When you call for assistance, a member of our technical support team will find the specific solution to help you through your toughest challenge.

Sensitivity to Lead Times

Capital Adhesives works with your flexible production schedule to meet product delivery deadlines.

Technical and Field Support

We offer hands-on lab assistance and in-house training in order to educate and maintain knowledgeable operations within your workforce.

Product Development

Through research and development, Capital Adhesives continues to develop effective and innovative product solutions.

All we need is an opportunity to prove how different we are. Customers that try our products and services rarely go back to what they were using.

"Thanks, I really appreciate you getting my products out so quickly, I thought we were the only ones left who bent over backwards for the customer."

Stan E., Production Manager • Customer #3115

Why our Customers stick with us.



"You have been identified as a *Key Vendor* with another successful year of on-time deliveries and conforming product...scoring 100% in both categories. The 'On-Time Deliver' grade is a measure of your ability to deliver product to us as specified by our purchase order requirements. The 'Conformance' grade is a measure of your ability to provide conforming product to us based upon our purchase order specifications."

Kevin T., Quality Manager • Customer #1914

"Capital Adhesives is saving me money on my window adhesive products and providing additional value with quality, and better machining adhesives. Since using Capital Adhesives, we have increased run speeds, improved production, and reduced downtime."

Kenneth K., Plant Manager • Customer #383

"Our operation produces high quality cartons for many different industries with an emphasis in pharmaceutical. We selected Capital Adhesives because of their service, product quality, technical support, and attention to quality control."

Karen H., Manager, Finishing Services • Customer #428

Our commitment to excellence through quality assurance measures (ISO 9001 certification) ensures consistent, dependable adhesives. Capital Adhesives emphasizes the continuous improvement process.

Adhesive Products

Water-based and Hot Melt

Capital Adhesives provides solutions to your most demanding adhesive requirements. We offer hot and cold adhesives to assist in applications such as:

- Folding Carton
- Corrugated containers
- Fugitive (Peelable)
- Bookbinding
- Packaging
- Converting
- Poly/Plastic bonding
- Labels
- Foam bonding
- Displays
- Web-press
- Set-up box
- Envelopes
- Remoistenable
- Automotive
- Structural
- Specialty
- Litho lamination
- Lamination
- Foil lamination
- Microwaveable application

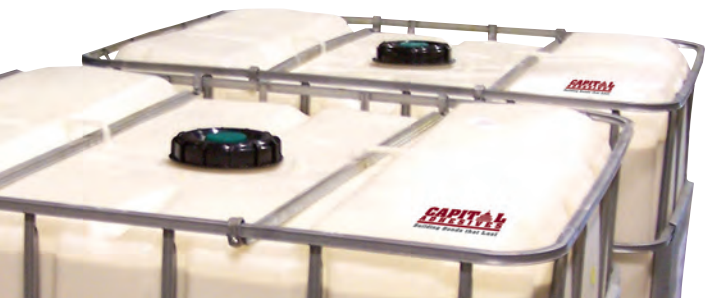


Specialty Formulations

Having trouble finding the right adhesive for your application? We have the capability and willingness to custom-formulate a product that will satisfy the adhesion and performance requirements of your application.

Contact Capital Adhesives for more information about how we can meet your adhesive needs.

Call 317-834-5415 or visit us at www.capitaladhesives.com



Hot Melt Troubleshooting Guide

PROBLEM	PROBABLE CAUSE	SUGGESTED SOLUTIONS
POOR ADHESION	Temperature too low. Insufficient adhesive amount. Coated or difficult substrate. Poor compression.	Increase temperature. Increase glue line. Select proper adhesive. Check compression.
POP OPENS Adhesive on one substrate Adhesive on two substrates	Insufficient glue amount. Temperature too low. Too much adhesive. Poor compression. Shifting during compression. Temperature too high.	Increase pressure or nozzle size. Increase temperature. Decrease glue application. Increase compression time. Correct compression. Decrease temperature.
CHARRING	Temperature too high. Hot melt charring on side walls. Air oxidizing hot melt. Poor stability of hot melt.	Lower temperature in tank. Keep tank full. Close lid, consider nitrogen blanket. Decrease temperature.
GELLING	Overheating. Mixing incompatible adhesives. Poor stability of hot melt.	Drain system and lower temperature. Check with hot melt supplier. Select different hot melt.
SMOKING	Temperature too high. Poor stability of hot melt.	Lower temperature. Select different hot melt.
HOT MELT NOT FLOWING EVENLY FROM ALL NOZZLES	Nozzle clogged. Remote nozzle in multiple nozzle set-up may be affected by pressure drop.	Clean or repair nozzle and check filters. Increase temperature or pressure slightly. Install larger nozzle orifices on remote nozzle.
STRINGING / DROOLING	Temperature too low. Pressure too low. Nozzle too far from substrate. Poor shut off of nozzle.	Increase pot temperature. Increase pressure. Adjust nozzle. Repair or replace spool valve.

Liquid Or Paste Estimates

Bead Size Diameter	Cubic Inches 1000 Lineal Ft	Gal. per 1000 Lineal Ft.	Lineal Foot per Gallon
1/16"	36.8	0.16	6000
3/32"	82.9	0.36	2700
1/8"	147.3	0.64	1500
3/16"	331.7	1.44	675
1/4"	589.1	2.55	375
5/16"	920.4	3.98	240
3/8"	1325.4	5.74	165
1/2"	2356.2	10.20	95
5/8"	3861.6	15.92	50
3/4"	5300.5	22.95	35
1"	9424.8	40.80	19

Other Specialty Products

- PUR
- Hot Melt Glue Guns
- Hot Melt Glue Spots
- Hot Melt Roll-Coaters
- Hot Melt Glue Sticks - all sizes
- Hot Melt Application Systems

Why Choose Capital Adhesives?

- Consistent High Quality Adhesives • Better Performance
- Increased Production Speeds • Reduce Costs & Down Time
- Technical Expertise When You Need It

For any additional **technical** or **general adhesives application** questions, call one of our chemists today at **317-834-5415** or visit us at **www.capitaladhesives.com** to submit your question electronically.

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Registered and Certified to:

ISO 9001

