

# SIGN ASSEMBLY SOLUTIONS

# FOR SIGN ASSEMBLY APPLICATIONS





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# SIGN INDUSTRY OVERVIEW: WHEN VENDORS DON'T CUT IT

In uncertain economic conditions filled with skilled labor shortages, supply chain issues, and rapidly changing market demands, countertop fabricators need more than a vendor. They need a partner – one that brings real solutions to fabrication challenges, offering valuable advice, and troubleshooting problems when they inevitably occur.

Strong partnerships are a must for all facets of the business, including your assembly operations. We can help improve processes and aesthetics, maintain supply continuity, reduce labor costs, and achieve your strategic objectives using our 100+ years of combined experience.

# Proud Members/Sponsors of the ISA:



INTERNATIONAL SIGN ASSOCIATION







# WORK WITH CHEMICAL CONCEPTS THE BONDING EXPERTS

Chemical Concepts is a business-to-business provider of engineered solutions involving adhesives, sealants, tapes and specialty fasteners for the sign fabrication industry.

With 60+ years of pioneering the use of adhesives, Chemical Concepts takes pride in providing custom-engineered solutions designed to meet your sign fabrication needs. We consult with fabricators every day to overcome challenges in design, process and labor by providing high-performance products and expert support, delivered on time.

#### We're more than just an adhesive and fastener supplier. We're a solutions provider.



# CHEMICAL CONCEPTS MAKES SIGN PROBLEMS DISAPPEAR

We help sign fabricators solve challenging problems. We're not industry generalists. We are product assembly experts providing solutions.

### We can help you:



**Get The Right Adhesive** Find the right adhesive for your application, and get full confidence the solution will work.



Increase Output Improve processes, decrease project times and cut labor costs.



**Solve Challenging Problems** 

Get expert support you need on adhesives that you cannot find with generalist distributors.



**Improve** Aesthetics

Upgrade the aesthetics of your finished projects by creating beautiful and seamless signs with less time and effort.



**Increase Efficiency** 

Improve efficiency and reduce labor costs for sign projects.



#### **Ensure Consistent Supply**

Consolidate your supply for consumables including adhesives, tapes, mechanical fasteners, and more.



#### **Reduce Liability**

Prioritize safety and minimize risks with durable, reliable, and long-lasting signage that instills confidence in your customers.



# FEATURED **BRANDS**

Chemical Concepts maintains relationships with many of the leading brands in adhesives, tapes and specialty fasteners. Those relationships mean, the highest quality products, unmatched technical support, and access to a huge portfolio of innovative technology to match with our customers' needs.





#### **NEW PRODUCTS**



### HUNTSMAN

#### Araldite 2080/2081 Low Odor Toughened Acrylic Structural Adhesive

- High strength & flexibility
- Non-flammable
- High elongation for metals, composites and some plastics
- Available in two versions of shorter and longer reactivity time



## **WELD**×ON

Weld-On 30 **Two-Component, Low VOC Reactive Structural Adhesive** 

- Forms a high strength bond within an hour
- Bonds to a wide variety of metals, plastics, wood, concrete, brick, and many other substrates
- High environmental resistance



# 1 specialinsert

#### **ATC Bonding Fasteners** Adhesive Is Distributed Evenly Throughout The Bonding Area

- 50% stronger in shear strength
- 25% stronger in tensile than standard design
- No waste
- Perfect design
- Excellent performance



### 1 specialinsert **FAST-CON®**

#### Metal Snap Fastening System

- Quick and easy installation
- Replaces Z clips and other mounting hardware
- Flame and corrosion resistant • Long-lasting life compared to the most common plastic systems



#### LORD® 7800 A/B

#### **Snap Cure Urethane Adhesive**

- Fast-curing, flexible ahesive for painted metal and plastic
- Rapid strength development

LEXUS

H4110

**Faster Alternative To** 

**Construction Adhesive** 

Excellent environmental

resistance

- No odor
- Flexible



#### hem-**Set VST LSE Tapes High Conformable** Acrylic Foam Tape

- High bond tape for difficult materials
- Bonds low surface energy plastics e-coated parts, and more
- Bonds most LSE materials without the need for primers



### HUNTSMAN Araldite 2053

#### 5 & 15 Minute Acrylic Adhesive

- 10:1 structural metal bonder
- Economical, workhorse

PLEXUS

**MA8105** 

Advanced Direct-To-Metal,

Two-Part Methacrylate

Structural Adhesive

- adhesive
- 50% elongation for tough, durable bonds



#### hem-**Set** UltraLok 420-1 Two-Part Methacrylate, Flexibilized, Structural **Bonding Adhesive**

- Working time of 3 to 7 minutes
- Superior bond strength
- Extreme durability
- Excellent impact and weathering properties



### Tensorarip P300

#### **Multi-Purpose Contact Adhesive**

- Fast, high tack
- High heat resistance (over
- 220°F/105°C)
- Fast drying with long open time
- Compare to 3M 90 Spray adhesive



### hem-Set UltraLok 607 **Clear Methacrylate Adhesive**

- Ideal for applications requiring clear bonds
- Commonly used in signs, displays, electronics, and other industrial bonding applications • Working time of 12 to 16 min
- and a fixture time of 18 to 22 min
- Versatile 1:1 mix ratio Elastic bonding Offering primerless adhesion • Excellent gap filling to metals (including galvanized and thixotropic steel), coatings, plastics including nylon (polyamide), • Easy to use 1:1 ratio and composites







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Chemical"

Concepts



Chemical™







#### **SPECIALTY FASTENERS**



# 1 pecialinvert

#### **KEEP-NUT Press-In Self-Anchoring Inserts**

- Simple hole preparation
- Quick installation
- No need for resins or adhesives
- Thread stops before end of insert



# 1 specialinsert **307 Self-tapping Insert**

#### **Threaded Inserts for Plastics**

- Self threading inserts for plastics
- Great for flat-cut acrylic letters
- Fast application with cordless drill



## 1 specialinsert **TC/INT Cross-Nut**

#### **Rivet-Nut with High Grip Range**

- Superior pullout resistance in soft materials
- Available in 10-24, 1/4-20, 3/8-16 and metric sizes
- Aluminum, stainless steel or zinc-coated steel
- Wide grip range

F2B23

ROUND

(23MM / 0.90")



#### 1 specialinsert **VST Bonding Fasteners Bonding Fasteners** with VST Pre-applied

- Instant grab bonding fasteners with pre-applied tape
- Peel and stick application
- High bond tape for durable assembly
- No drilling, welding or liquid adhesives



# 1 specialinsert

#### **Bonding Fasteners** M1-Male Threaded Bolt Studs

- Surface mounted fasteners with male studs
- Available in a variety of threads, base types and lengths
- Mount with structural adhesives; no drilling required
- Zinc plated or Stainless Steel

•

• Saves time and labor!





#### **Bonding Fasteners** F1-Hex Nuts

- Surface mounted fasteners with female hex nut
- Available in a variety of threads and base types
- Mount with structural adhesives; no drilling required
- Zinc plated or Stainless Steel





# 1 specialinsert **Bonding Fasteners**

#### F2-Female Collar

- Surface mounted fasteners with female threaded collar
- Available in a variety of threads, base types and lengths Mount with structural
- adhesives; no drilling required
- Zinc plated or Stainless Steel



### 1 specialinsert **Cable Tie Mount**

#### **Stainless Steel Fasteners**

- Secure wires, cables and other components with no drilling or welding
- Surface mounted with
- structural adhesive or tape More durable than similar plastic components
- Perfect for marine, automotive, aerospace, and electronics applications



ABRASIVES

- Keying thick layers of varnish
- Sanding down painted surfaces, primers and fillers

Chemical™ Concepts Our expertise is your solution.

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### order online: chemical-concepts.com





# WE'RE HERE FOR YOU **TALK TO THE MANUFACTURING EXPERTS**

Interested in a product? Want to learn more about how we can help your manufacturing business?

### Get in touch with the experts.





**Matt Avin Territory Sales Representative** 678-790-4513



Teri Obloy **Territory Sales Representative** 330-942-5273



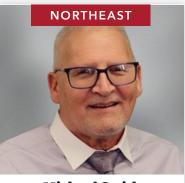


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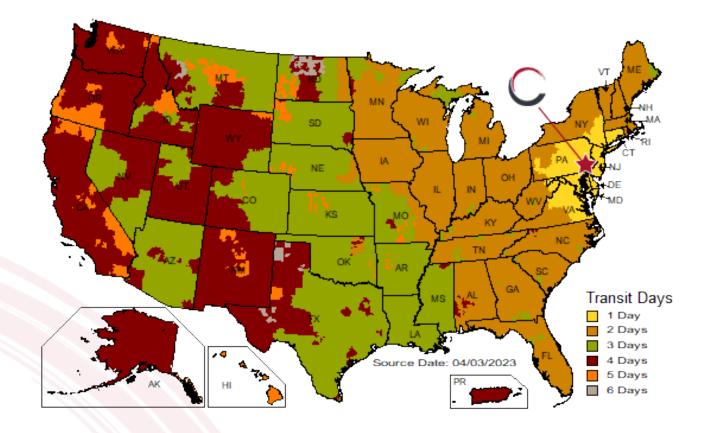


Craig Zelle Vice President, Sales 215-264-7065



# SHOP ALL YOUR **SIGN ADHESIVE NEEDS AT**

### CHEMICAL-CONCEPTS.COM



# How to Order?

Get in touch with us today.





orders@chemical-concepts





