



# **SOLUTIONS FOR GENERAL MANUFACTURING**



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## MANUFACTURING 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, manufacturers need not just a vendor, but a partner – One that brings real solutions to your assembly challenges, offering valuable advice, and troubleshooting problems when they invariably occur.

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



## 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.

With 60+ years pioneering the use of adhesives, Chemical Concepts takes pride in providing custom-engineered solutions designed to meet your manufacturing needs. We consult with companies 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 adhesives supplier. We're a solutions provider.**



# CHEMICAL CONCEPTS MAKES **MANUFACTURING PROBLEMS DISAPPEAR**

We help manufacturers of all kinds solve challenging problems. We're not an industry generalist. We're the experts in solving challenging bonding problems.

**We can help you:**



**Find the right adhesive for your application, and give you full confidence the solution will work.**



**Replace traditional methods of fastening such as welding, rivets, screws, and bolts.**



**Improve processes, decrease cycle times and cut labor costs.**



**Upgrade the aesthetics of your finished parts by removing exposed fasteners or weld marks.**



**Bond challenging or difficult-to-bond substrates where conventional products are not effective.**



**Gain competitive advantages through lightweighting and/or use of advanced materials.**



**Overcome complex design challenges, including from engineers that lack expertise with adhesives and tapes.**



**Narrow down your choices out of the multitude of adhesive technologies, brands and offerings.**



**Cut through the noise of generalist solutions providers and act as a full-service partner on your most challenging manufacturing needs.**

## 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**
**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


**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


**Chem-Set™**  
**VST LSE Tapes**
**High Conformable Acrylic Foam Tape**

- Various medium and low surface energy plastics
- Powder coatings
- Clearcoats
- Ceramic car paints


**Chem-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


**Re-Mixers**  
**xemex®**
**Ultra-Low Waste Mixing Nozzles**

- Reduces waste by up to 75%
- Increases operator dexterity and accuracy
- Simplifies manufacturing to fewer mixer SKUs
- Made in the USA, ensuring faster, more reliable lead times


**LORD®**  
**7800**
**Snap Cure Urethane Adhesive**

- Fast-curing, flexible adhesive for painted metal and plastic
- Rapid strength development
- No odor
- Flexible


**HUNTSMAN**  
**Araldite 9102**
**Honeycomb Panel Bonding Adhesive**

- Multi-purpose & bonds a wide variety of materials in common use
- Long work life
- Low shrinkage
- Good heat resistance


**Tensorgrip®**  
**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


**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


**PLEXUS**  
**H4110**
**Faster Alternative To Construction Adhesive**

- Excellent environmental resistance
- Elastic bonding
- Excellent gap filling and thixotropic
- Easy to use 1:1 ratio


**PLEXUS**  
**MA8105**
**Advanced Direct-To-Metal, Two-Part Methacrylate Structural Adhesive**

- Versatile 1:1 mix ratio
- Offering primerless adhesion to metals (including galvanized steel), coatings, plastics including nylon (polyamide), and composites


**Bostik**
**Born2Bond 2K CA Structural**
**Flexible, Elastic And Low-Odor, Instant Adhesive**

- Absorbs impacts and vibrations
- High peel strength
- Bonds a large range of materials including glass
- Translucent, low blooming

## METAL BONDING



### **LORD® 400 Series**

#### Two Part Acrylic Adhesive

- For bonding metals and plastics
- Great for metal frame and Channel letter assembly
- Bonding studs
- Reinforcing butt joints



### **LORD® Maxlok Series**

#### Replaces welding, brazing, riveting and other mechanical fastening methods

- Glass beads
- Matte gray finish
- 4:1 ratio
- Precise bondline
- Environmentally resistant



### **LORD® 850/25GB**

#### Toughened Structural Acrylic Adhesive

- Glass beads
- Matte gray finish
- 4:1 ratio
- Precise bondline
- Environmentally resistant
- Temperature resistant



### **LORD® 810/20GB**

#### Low Read-Through Acrylic Adhesive

- For aluminum composite (Dibond, Alucobond)
- No warping
- Resists dilute acids, alkalis, solvents, greases, oils and moisture

## GENERAL PURPOSE ADHESIVES



### **LORD® 7550 A/C**

#### Two-Component Clear Urethane Adhesive System

- Bonds Lexan™, ABS, polycarbonate and prefinished metals
- Non yellowing and UV resistant
- Self-leveling



### **LORD® 7545 A/E**

#### Two-Component Urethane Adhesive System

- For use when bonding composites and dissimilar substrates
- Environmentally recommended
- Chemically resistant



### **LORD® 310 A/B**

#### Two-Component Epoxy Adhesive System

- The ideal anchoring adhesive for stud mounting
- Bare metal to HDU
- Bare metal to wood
- Excellent engineering properties



### **LORD® 7610DTM**

#### Direct-to-Metal Seam Sealer & Adhesive

- Moisture-cure adhesive and seam sealer
- Durable and convenient
- Chemically resistant
- Temperature resistant

## PLEXUS ADHESIVES



### **PLEXUS® MA830**

#### Two Part Methacrylate Adhesive

- Primerless adhesion to many metals, most thermoplastics, and composites
- Fast working time 4 - 6 mins
- Exceptional strength and elongation



### **PLEXUS® AO420**

#### Two Part Methacrylate Adhesive

- For bonding of thermoplastic, metal, and composite
- Fast, consistent strength development at room temp
- High strength, stiffness and toughened
- Non-sag dispensing



### **PLEXUS® MA300**

#### Two Part Methacrylate Adhesive

- Medium working time 3-6 mins
- Easy to use 1:1 ratio
- Fast, consistent strength development at room temp
- High strength, stiffness and toughened



### **PLEXUS® MA8110**

#### Two Part Methacrylate Adhesive

- For bonding gavanized coated metals in particular
- Hot dipped G90 and G60
- Easy to use 1:1 ratio product
- Lower odor formula
- Excellent fatigue and impact resistance



## HUNTSMAN ADHESIVES



### HUNTSMAN

#### Araldite 2050

**Two-Component, Methacrylate General Purpose Adhesive**

- Ultra-fast curing from -20°C to 25°C (-4°F to 75°F)
- Application and curing under water and humid areas
- Excellent bond to a wide range of plastics, composites and metals



### HUNTSMAN

#### Araldite 2015-1

**Two-Component, Room Temp Curing Paste Adhesive**

- Toughened paste
- Ideal for bonding GRP, SMC and dissimilar substrates
- Gap filling, non-sagging up to 10mm thickness
- Good resistance to weathering



### HUNTSMAN

#### Araldite 2014

**Two-Component, Room Temp Curing, Thixotropic Paste Adhesive**

- Grey paste
- High temperature and chemical resistance
- Low shrinkage
- Very resistant to water and a variety of chemicals



### HUNTSMAN

#### Araldite 2019

**Two-Component, Epoxy Adhesive Paste**

- Very high lap shear
- Bonds a wide variety of materials (metal, composite and thermoplastics)
- Temperature resistant up to 284°F (140°C)

## PERMABOND ADHESIVES



### Permabond<sup>®</sup> Engineering Adhesives

#### TA4605/TA4610

**Two-Part, 1:1 Toughened Acrylic Adhesives**

- Adhesion to a wide variety of substrates
- Full cure at room temperature
- Bonds polyolefins
- No primer required
- Good impact strength



### Permabond<sup>®</sup> Engineering Adhesives

#### ET500

**Two-Part Fast-Setting Epoxy Adhesive**

- Adhesion to a wide variety of substrates
- Full cure at room temperature
- Easy to apply
- Ideal for general purpose bonding



### Permabond<sup>®</sup> Engineering Adhesives

#### ET5145/5147

**Food-Grade Epoxy Adhesives**

- Adhesion to a wide variety of substrates
- Full cure at room temperature
- FDA compliant formulation
- High shear and peel strength
- Good impact strength



### Permabond<sup>®</sup> Engineering Adhesives

#### TA4810

**Two-Part, 1:1 Toughened Methacrylate Adhesive**

- Adhesion to a wide variety of substrates
- Fast cure at room temperature
- High shear and peel strength
- Good impact strength
- Good chemical resistance

## WELD-ON ADHESIVES



### WELD-ON

#### SCIGRIP #45

**Two-Component, Low VOC, Reactive Structural Adhesive**

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



### WELD-ON

#### SCIGRIP #4

**Fast Set Solvent Cement For Acrylics**

- Water-thin, moderately fast set solvent cement for acrylics
- Bonds styrene, butyrate and polycarbonate to themselves
- Working time: 1-2 minutes
- Fixture time: 3 minutes



### WELD-ON

#### SCIGRIP #16

**Fast Set Solvent Cement For Acrylics**

- Especially formulated to bond acrylic (poly-methyl methacrylate) plastic
- Bonds styrene, butyrate, PVC, ABS and polycarbonate, as well as other plastics and porous surfaces



### WELD-ON

#### SCIGRIP #55/58

**VOC-Free, Two-Component Urethane Adhesive**

- Excellent UV light resistance
- Fast setting
- Working time: 5-6 minutes
- Fixture time: 1-2 hours
- Shelf life: 1 year

**ULTRALOK SERIES ADHESIVES**

**Chem-Set™  
UltraLok 420GB**
**Two-Part Methacrylate,  
Structured Bonding Adhesive**

- Stronger, more consistent joints
- Superior toughness and durability than other adhesives
- Available in a variety of colors for improved aesthetics


**Chem-Set™  
UltraLok 3121**
**Two-Component Acrylic Adhesive**

- High strength
- Fast setting and curing
- High elongation & ductility
- Excellent damping properties
- Spacers to control bond line thickness
- Extremely high impact strength


**Chem-Set™  
UltraLok 300**
**Two-Part Methacrylate,  
Structured Bonding Adhesive**

- Bonds fiberglass, steel, aluminum & various plastics
- Working time of 3 to 6 minutes
- Provides high strength bonds
- Requires generally no preparation


**Chem-Set™  
UltraLok 310**
**Two-Part Methacrylate,  
Structured Bonding Adhesive**

- Working time of 8 to 12 minutes
- Achieves 90% of its ultimate strength in 18 to 25 minutes at room temperature curing
- Provides high strength bonds

**SPECIALTY ADHESIVES**

**Chem-Set™  
TrimGrip**
**Industrial Structural  
Adhesive Bonding System**

- 5-8 minute working time
- Cures in 30 min
- Easy to use
- White color
- Easily sanded
- Paintable


**Chem-Set™  
6105**
**Fast Set Polyolefin Bonder**

- Bonds polyolefins like KDPE & PP
- Adhesion to a wide variety of substrates
- Full cure at room temperature
- Fast-set formula
- No primer required
- Good impact strength


**Chem-Set™  
412**
**Clear Electronic Potting Silicone**

- Medium viscosity
- Low linear shrinkage
- Cure at room temperature or at elevated temperatures
- UL 94 HB listed, control number: QMFZ2.E205830


**Chem-Set™  
605**
**Quick Set Acrylic Adhesive**

- Minimal surface preparation
- 1:1 mix ratio
- Rapid fixture in thin set
- Non-sagging formula
- Working time: 2-3 min. @ 72° F
- Fixture time: 8-10 min. @ 72° F
- Functional cure: 3/4-1 hr @ 72° F

**CASTING & POTTING COMPOUNDS**

**CHT™ SMART CHEMISTRY  
WITH CHARACTER.  
QM 280**
**Two-Component, Room  
Temperature, Addition  
Cure Silicone Material**

- High durometer
- Casting resin resistance
- Fast demold time
- Excellent dimensional stability


**CHT™ SMART CHEMISTRY  
WITH CHARACTER.  
QM 264**
**Two-Component, Room  
Temperature, Addition  
Cure Silicone Material**

- Casting resin resistance
- Fast demold time
- Excellent dimensional stability
- Complies with FDA indirect food contact regulation CFR177.2600


**CHT™ SMART CHEMISTRY  
WITH CHARACTER.  
QSi 553**
**100% Silicone Solids Elastomer  
Designed For Electronic  
Potting Applications**

- 100% solids - no solvents
- Long pot life
- Low modulus
- Good elongation
- UL listed


**CHT™ SMART CHEMISTRY  
WITH CHARACTER.  
QSi 214**
**Potting Silicone/Encapsulant**

- Medium viscosity
- Fast room temperature cure
- Low linear shrinkage
- Transparent & colorless
- Designed for superior adhesion with use of primer

## ADHESIVES & SEALANTS



### BoaBond

#### Advanced Hybrid Adhesive

- Fast grab adhesive for easy vertical installation
- High strength, tough, durable bonds
- No solvents or Isocyanates
- VOC compliant
- Bonds wet or damp materials



### Chem-Set™ MS-35

#### Multi-Purpose Polyether Adhesive And Sealant

- Bonds to most substrates without priming
- Wide range of applications
- Easier to match part contours
- Vibration damping
- Improved aesthetics



### Chem-Set™ MS35 Ultra Clear

#### For Bonding And Sealing A Wide Variety Of Building Materials

- PVC, glass, steel, aluminum, tile, FRP, granite, marble, concrete, wood and plastics
- Cures fast and remains flexible
- Exceptional resistance to weathering and temperature



### Sikaflex 221

#### High Strength Polyurethane Adhesive/Sealant

- Non-sag, low odor
- Sandable and paintable
- Non-corrosive
- Can be overpainted
- Lower VOC's

## SILICONE AND CAULK ADHESIVES



### Chem-Set™ RTV 4500

#### General Purpose One-Component 100% RTV Acetoxysilicone Sealant

- High strength
- Excellent weatherability
- UV stable
- Non-yellowing
- VOC compliant



### GP-101

#### General Purpose Acetoxy Silicone Sealant

- One-component ready to use
- Excellent for dynamic joint movement & dissimilar materials, joint movement  $\pm 25\%$
- Fast cure - move assembled or sealed parts quickly



### SILCO INCORPORATED PB-3

#### Siliconized Acrylic Latex Sealant

- Non-sag
- Low odor
- Paintable
- Water clean-up
- Exterior/interior use
- Mildew resistant
- Non-yellowing



### SILCO INCORPORATED RTV 6500

#### RTV Acetoxy Cure Silicone Sealant and Adhesive

- Bonds metal, steel, tile, ceramic, glass, aluminum, painted surfaces, marble, stone, concrete and many other substrates
- Offers tenacious adhesion to form waterproof bonds



### 306

#### Self-Leveling Electronic Grade Silicone

- 100% silicone sealant
- Resists weathering, moisture vibration, ozone, ultraviolet, and temperature extremes.
- Remains flexible from -57°C to +204°C (-70°F to +400°F)



### 335

#### Neutral Cure Silicone Sealant/Adhesive

- 100% Silicone sealant
- High performance, excellent adhesion
- Resistant to UV degradation and weathering
- Mold and mildew resistant



### KE 44

#### Single Component, Room-Temp Cure, Self-Leveling Adhesive

- Single component
- Room-temperature cure
- Self-leveling
- Low odor and non-corrosive
- Form-in-place gasketing
- Sealing electronics



### KE 45

#### Single Component, Paste-Like, Thixotropic Adhesive

- Single component
- Room-temperature cure
- Thixotropic paste
- Low odor and non-corrosive
- Bonding and sealing appliance parts

## DISPENSERS & MIXING TIPS

**50 ML**
**CCH50G**


- Easily converts to 1:1, 2:1, 4:1, 10:1 mix ratio

**225 ML**
**520 Gun**


- 18:1 thrust ratio
- Easily converts to 1:1, 2:1, 4:1 mix ratio

**200/400 ML**
**VR200XSP**


- 26:1 Thrust ratio

**VR400XSP**


- 26:1 thrust ratio

**375 ML**
**535XSP**


- 26:1 thrust ratio
- Easily converts to 1:1, 2:1, 4:1 mix ratio

**CX 404 ML**
**CCM380**


- 18:1 thrust ratio
- Easily converts to 1:1, 2:1, 4:1, 10:1 mix ratio

**400 ML**
**DM2X 400**


- Exceptional dispensing
- Flexibility
- Ergonomics and design

**250 ML**
**Model 250**


- Super-high thrust
- 18:1 thrust ratio
- Revolving barrel

**400 ML**
**DP2X 400**


- Extraordinary precision
- Full control
- Flexibility

**50 ML**
**COX 25 R50**


- Dedicated 1:1 mix ratio
- Square cartridges

**310 ML**
**COX 3 Combi**


- Variable speed regulator
- Glass reinforced nylon handle

**190-620**
**STATIC MIXING NOZZLE**

**MCQ 08-24T**
**STATIC MIXING NOZZLE**

**160-824**
**STATIC MIXING NOZZLE**

**MBQ 05-16L**
**STATIC MIXING NOZZLE**

**MFHX 08-18T**
**STATIC MIXING NOZZLE**

**16336-0242**
**STATIC MIXING NOZZLE**

**13600-3102**
**STATIC MIXING NOZZLE**

**MFQX 08-24T**
**STATIC MIXING NOZZLE**

**MFHX 10-18T**
**STATIC MIXING NOZZLE**

**FISD04**
**SILICONE/SEALANT NOZZLE**

**MAQ 05-24L**
**STATIC MIXING NOZZLE**

**MFH 08-24T**
**STATIC MIXING NOZZLE**

**160-840**
**STATIC MIXING NOZZLE**

**160-830**
**STATIC MIXING NOZZLE**

**MGQ 08-24T**
**STATIC MIXING NOZZLE**


## HOT MELTS & HOT MELT GUNS

**220 Watts**
**CCH220**


- Adjustable high temp 285°F - 428°F (140°C - 220°C)

**60 Watts**
**HYB120**


- Up to 1hr continuous cordless operating time
- Provides versatility to go anywhere

**100 Watts**
**PRO2-100**


- Use 1/2" or 7/16" glue stick diameter
- Lighted on/off switch

**500 Watts**
**PRO2-500**


- Interchangeable nozzle
- Lightweight/durable body
- Lighted On/Off power switch

**450, 500, 600 Watts**
**MGG800**


- Stable base, rubber trigger grip
- On/Off lighted switch and LED "Ready" light

**HM612**
**Metal bonding; high strength**

**735R**
**High Performance Hot Melt**

**725**
**General Purpose Hot Melt**

**601**
**Low Temperature Hot Melt**

**862**
**General Purpose Hot Melt**




**CYANOACRYLATES**

**Permabond™**  
Engineering Adhesives

**101**

**Low Viscosity Product Useful In Wicking Or Penetrating Applications**

- Ultra-low viscosity
- Suitable for bonding pre-assembled parts
- Ideal for close-fitting plastic components


**Permabond™**  
Engineering Adhesives

**268**

**Medium-High Viscosity Cyanoacrylate For Large Gap Fill Applications**

- Versatile and general purpose
- Excellent for bonding difficult-to-bond plastics like polyacetals
- Good gap fill ability
- Instant setting


**Permabond™**  
Engineering Adhesives

**737**

**Toughened Cyanoacrylate With Improved Impact And Peel Strength**

- Good gap fill (up to 0.5mm / 0.02")
- Toughened and flexible
- No mixing or heat cure
- Black - Suitable for dark surfaces
- 100% reactive, no solvents


**Permabond™**  
Engineering Adhesives

**910**

**Single Part, Low Viscosity Liquid Adhesive**

- Excellent adhesion to metal surfaces
- Easy to apply and dispense
- No mixing required
- Cures to a fixture strength in 10 seconds on most surfaces


**Bostik**

**Born2Bond 2K CA Flex**  
Flexible, Elastic And Low-Odor, Instant Adhesive

- Fixture time in 60 seconds
- Hardens in 5-10 minutes
- Elongation > 200 %
- Absorbs impacts and vibrations
- High peel strength
- Bonds a large range


**Bostik**

**Born2Bond 2K CA Repair**  
Gap-Filling, Instant Adhesive

- Fixture time in 60 seconds
- Hardens in 5-10 minutes
- Fills gaps of large volumes
- Bonds a large range of materials
- Machinable, sandable and paintable once hardened
- Impact resistant


**Bostik**

**Born2Bond Ultra HV**  
Low-Odor, Low-Blooming, Instant Adhesives

- Fixture time: 10 seconds (depending on substrates)
- High bonding strength
- Long open time
- Low blooming
- Transparent and easy to use


**Bostik**

**Born2Bond Light Lock 30X**  
Low-Blooming, Dual-Curing Cyanoacrylate Adhesive

- Fixture time in 60 seconds
- Low odor, low blooming
- Highly flexible and elastic (Light Lock 30X)
- Multi-substrate adhesion
- Available in a range of viscosities


**Chem-Set™**  
**CA5**

**General-Purpose Low Viscosity (5cps) Adhesive**

- Ultra-low viscosity
- Used in our chip repair kits
- Suitable for bonding pre-assembled parts
- Ideal for close-fitting plastic components


**ASI**  
**RP 2400**

**Bonds A Wide Range Of Materials Used In The Manufacturing Of Medical Devices**

- Fast permanent bonds
- Perfect for medical device assembly
- Single component
- Cures at room temperature


**ASI**  
**RP 5**

**Bonds A Wide Variety Of Similar Or Dissimilar Materials**

- Versatile
- Good climatic, thermal, and impact resistance
- Handling strength in 5 to 10 seconds


**ac marca** Pacer  
Technology

**RX-500**

**Range Extended Cyanoacrylate Adhesive**

- Slow cure: bridges gaps, allows work piece alignment
- 500cP viscosity allows up to .010" gap fill capability
- Meets MIL-A-460 50C Type II, Class 3

**ANAEROBICS/THREADLOCKER**

**PermaBond®**  
Engineering Adhesives

**HM162**

**Medium Viscosity Retaining Compound That Cures When Confined Between Metal Parts**

- Rapid cure
- Very high strength
- Improved fatigue life
- Excellent chemical resistance
- Excellent temperature resistance


**PermaBond®**  
Engineering Adhesives

**HH131**

**High Temperature Resistant, High Strength Anaerobic Threadlocker And Sealant**

- Vibration resistant
- Excellent chemical resistance
- Lubricates threads for easier assembly
- High temperature resistance


**PermaBond®**  
Engineering Adhesives

**MH052**

**Ideal For The Sealing Of Threaded Joints**

- Excellent chemical resistance
- Does not shred or dry out
- Pressure seal to burst rating of pipe
- No loose particles to clog valves
- For use with gaseous oxygen


**PermaBond®**  
Engineering Adhesives

**LH050**

**General Purpose Pipe Sealant**

- Performs well on most metals
- Excellent alternative to pipe dopes and pipe tapes
- Cures anaerobically when in contact with metal parts
- For use in devices handling gasoline, petroleum oils, and natural gas

**UV CURABLE ADHESIVES**

**PermaBond®**  
Engineering Adhesives

**UV610**

**Single Part, Fast Setting, UV Curable For Glass To Metal**

- Cure on demand
- High shear strength
- Fast curing with low power lamps
- 100% solids, no solvents
- Excellent adhesion to metal and glass


**PermaBond®**  
Engineering Adhesives

**UV625**

**Single Part, Fast Setting, UV Curable For Glass Bonding; Non-Drip**

- Cure on demand
- Flexible, good impact resistance
- Fast curing with low power lamps
- 100% solids, no solvents
- Excellent adhesion to metal and glass


**PermaBond®**  
Engineering Adhesives

**UV683**

**Ideal For Coating And Doming Applications**

- Cure on demand
- Ideal viscosity for doming
- Tack free
- Fast curing with low power lamps
- 100% solids, no solvents


**PermaBond®**  
Engineering Adhesives

**UV648**

**UV-Curing Adhesive Developed For Use On Plastics**

- Cure on demand
- Non-drip
- High shear strength
- Fast curing with low power lamps
- 100% solids, no solvents
- Excellent adhesion to plastics

**CONTACT CEMENTS**

**STA-PUT  
S200**

**For Bonding High Pressure Laminates To Various Substrates**

- Flatwork applications (non-postforming)
- Self-contained portable
- Spray system
- Aggressive grab tack
- Quick dry time


**STA-PUT  
SP80**

**A High Performance Aerosol Contact Adhesive**

- Low VOC non chlorinated
- Quick grab tack
- High strength bonds
- Use brush roller or spray
- Smooth, flat spray pattern
- High green strength


**Tensorgrip  
P329**

**High Build Pressure Sensitive Adhesive**

- Single sided application
- High build web spray
- High strength, long-term bond
- 100% adhesive transfer to substrate
- Fully portable


**Tensorgrip  
P321**

**Polystyrene Foam Contact Adhesive**

- Fast tack
- Water resistant
- No chlorinated solvents
- 80% of final strength achieved immediately
- Will not attack polystyrene

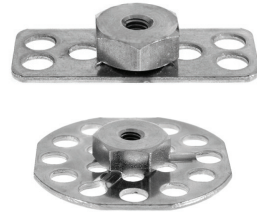
**SPECIALTY FASTENERS**

**M1-B23**  
(38MM / 1.5" )  
ROUND

**M1-B38**  
(38MM / 1.5" )  
ROUND

**Chem-Set™**
**Bonding Fasteners**
**M1-Male Threaded Bolt Studs**

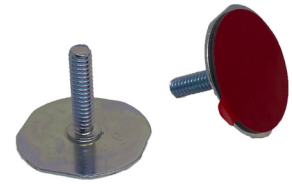
- Mounted on a round
- 23mm x 1.2mm thick baseplate
- Available in various base materials and many plating options
- Fastener can be customized to perfectly fit your application requirements


**Chem-Set™**
**Bonding Fasteners**
**F1-Hex Nuts**

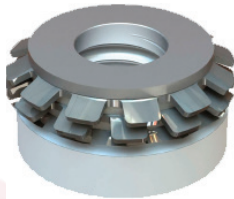
- Female hex nut is mounted on a round 23mm x 1.2mm thick baseplate
- Available in four base materials and many plating options
- Fastener can be customized to perfectly fit your application requirements


**Chem-Set™**
**Bonding Fasteners**
**F2-Female Collar**

- No drill bonding fasteners
- Female threaded collar is mounted on a baseplate
- Available in various base materials and many plating options
- Fastener can be customized to perfectly fit your application requirements


**Chem-Set™**
**Bonding Fasteners**
**Bonding Fasteners with VHB 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


**Specialinsert™**
**KEEP-NUT**
**Press-In Self-Anchoring Inserts**

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


**Specialinsert™**
**Deform-Nut**
**Specialty Rivet Nuts For Sheet Metal, Plastics And Composites**

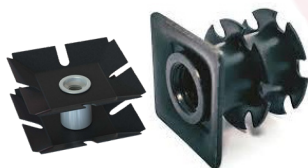
- Available in different sizes and materials
- Specialized versions such as high torque, self-locking, and stainless steel
- Fast, strong and versatile


**Specialinsert™**
**Cross-Nut**
**Deformation Threaded Insert**

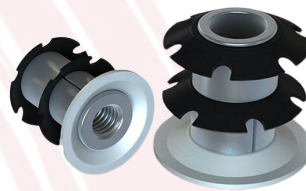
- Superior pullout resistance in soft materials
- Available in 10-24, 1/4-20, 3/8-16 and metric sizes
- Aluminum, stainless steel or zinc-coated steel
- Wide grip range


**Specialinsert™**
**Cable Tie Mount**
**Stainless Steel Fasteners**

- More durable than similar plastic components
- Perfect for marine, automotive, aerospace, and electronics applications, where drilling is impractical or impossible


**Specialinsert™**
**Crown-Nut ITQ2S/ITT2Q**  
**Strong Reusable Female Thread For Us With Square Section Tubes**

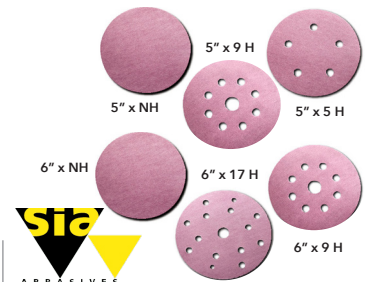
- Crown-nuts are easy to install and are cost-effective
- Can be installed into a square section with a wide internal size tolerance range


**Specialinsert™**
**Crown-Nut ITT2S/ITT2T**  
**Strong Reusable Female Thread For Us With Square Section Tubes**

- The crown is designed so that the shape of the tube section is not altered during installation
- Crown-nuts are easy to install and are cost-effective


**Chem-Set™**
**GEM Orbital Sander**
**11" Orbital Sander with Drive Pad**

- Sands much larger area
- Polishes and finishes better than the human hand!
- Saves time and labor!

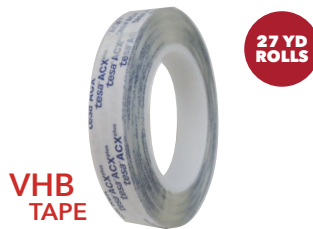

**Siaspeed**
**PSA and H&L Sanding Discs**

- Sanding solid surfaces
- Sanding down and fine sanding solid wood
- Keying thick layers of varnish
- Sanding down painted surfaces, primers and fillers

**ABRASIVES**



### TESA HIGH BOND TAPES


27 YD  
ROLLS

**VHB  
TAPE**

**7054 ACXplus**
**For Optically Clear Bonding  
20 mil (.020")**

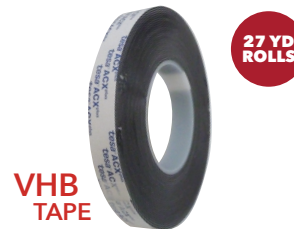
- Transparent acrylic core tape
- Non-yellowing
- Unmatched environmental resistance
- High temperature resistance: 392°F (20 min); 212°F (long term)


27 YD  
ROLLS

**VHB  
TAPE**

**7055 ACXplus**
**For Optically Clear Bonding  
40 mil (.040")**

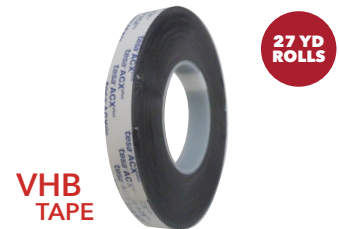
- Transparent acrylic core tape
- Non-yellowing
- Unmatched environmental resistance
- High temperature resistance: 392°F (20 min); 212°F (long term)


27 YD  
ROLLS

**VHB  
TAPE**

**7063 ACXplus**
**For Hard-To-Bond Substrates  
32 mil (.032")**

- Black tackified acrylic core tape
- Unmatched environmental resistance
- Superior performance on powder coated and lower energy surfaces


27 YD  
ROLLS

**VHB  
TAPE**

**7065 ACXplus**
**For Hard-To-Bond Substrates  
47 mil (.047")**

- Black tackified acrylic core tape
- Unmatched environmental resistance
- Superior performance on powder coated and lower energy surfaces

### TESA SPECIALTY TAPES


**7074 Black Foam Tape**
**High-Performance Acrylic  
Foam Tape**

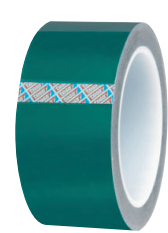
- Designed for demanding outdoor bonding applications especially in combination with the Tesa Adhesion Promoters
- Sizes: 1/4 in (6mm), 3/8 in (9mm), 1/2 (12mm), 3/4 (19mm), 1 in (25mm)


**4334 Precision Mask**
**Yellow General Purpose  
Masking Tape**

- Razor sharp paint edges
- Easily removable up to 5 months after application
- Available sizes: 1" & 2"
- 3.5 mil


**53120 General Purpose**
**Creped Paper General Purpose  
Masking Tape**

- Adheres to a variety of surfaces
- Light-duty bundling
- Packaging and closing
- Light-duty masking
- Available sizes: 3/4", 1", 1 1/2", 2"


**50600 Powder-Coating**
**Green, Masking Tape For  
Powder Coating**

- Polyester backing with a silicone adhesive
- One piece removal without leaving residue
- High temperature resistance: up to 220°C /428°F (30min.)
- Available sizes: 1" & 2"

### FILMIC TAPES & PRIMERS


55 YD  
ROLLS

**61010**
**Transparent Double-Sided Tape  
8 mil (.008")**

- Mounting of several parts in electronic devices
- Self-adhesive mounting of rubber/EPDM profiles
- Transparent PET filmic tape
- Great for interior mounting


60 YD  
ROLLS

**4870**
**PVC-Film Acrylic Tape  
10 mil (.010")**

- High Strength
- Durable
- High temp resistance: 392°F (20 min); 212°F (long term)


**60150**
**Adhesion Promoter**

- Recommended for various plastics, powder coated surfaces, zinc, steel, and PP-EPDM
- Improves the bonding strength of Tesa® ACXplus tapes
- The shelf life of this product amounts to at least 12 months


**60151**
**Adhesion Promoter**

- Developed to ensure permanent bonding and moisture resistance on glass substrates
- Improves the bonding strength of Tesa® ACXplus tapes
- The shelf life of this product amounts to at least 12 months



## DIRECT FOAM TAPES



**Chem-Set™**  
**VST 6120**

**High Bond Tape**  
47 mil (.047")

- High tensile strength
- Moisture/solvent resistant with outstanding weathering
- Shock, vibration and noise damping properties
- White or Grey



**Chem-Set™**  
**VST 6364**

**Foam Acrylic Tape**  
25 mil (.025")

- High tensile strength
- Moisture and solvent resistant
- Shock, vibration and noise damping properties
- Creates a permanent seal across entire surface



**Chem-Set™**  
**VST 6110**

**High Performance**  
**General Purpose Tape**  
32 mil (.032")

- Double sided, acrylic based
- Excellent adhesion performance on plastics, glass, steel, aluminum and ceramics
- White or Grey



**Chem-Set™**  
**VST 6160**

**High Performance**  
**General Purpose Tape**  
62 mil (.062")

- Double sided, acrylic based
- Excellent adhesion performance on plastics, glass, steel, aluminum and ceramics
- White or Grey

## TRANSPARENT TAPES



**Chem-Set™**  
**VST 6100C**

**Clear High Bond Tape**  
40 mil (.040")

- 100% acrylic based
- Resistant to UV, aging, softening agents and solvents
- Resistant to the peel and shear
- Loads that can affect a bond



**Chem-Set™**  
**VST 3050C**

**Transparent Direct Foam**  
20 mil (.020")

- Double sided, acrylic based adhesive tape
- Excellent adhesion on plastics, glass, stainless steel, galvanized steel, anodized and coated aluminum and glass



**Chem-Set™**  
**VST 3025C**

**Ultra-Thin Transparent Tape**  
10 mil (.010")

- 100% acrylic based
- Designed for bonding transparent materials like glass, glass epoxy, stainless steel, galvanized steel, anodized/coated aluminum



**Chem-Set™**  
**VST 6150C**

**Clear Transparent Industrial Tape**  
60 mil (.060")

- Advantages of the series include vibration dampening
- Very good sealing properties and resistance to weathering, aging, yellowing (UV influence)

## SPECIALTY TAPES



**Chem-Set™**  
**VST LSE Tapes**

**High Conformable Acrylic Foam Tape**

- Various medium and low surface energy plastics
- Powder coatings
- Clearcoats
- Ceramic car paints



**Chem-Set™**  
**P217**

**General Purpose Masking Tape**

- Med-high adhesion for packaging, bundling, holding, splicing and tabbing tape
- Excellent adhesion and quick stick to metal, vinyl, glass, rubber and plastic
- Conforms to irregular surfaces



**Chem-Set™**  
**P621**

**Blue Painters Tape**

- Ideal for painted walls, trim, glass, woodwork and metal
- Environmentally safe
- Comes in sizes from 3/4" to 3"
- Works on a variety of surfaces
- Designed to prevent dry out or keep its holding power



**Chem-Set™**  
**PEF06R**

**Double Coated Foam Tape**

- Used for mounting and joining nameplates, signs, small die cast parts, mirrors, maps, etc
- Higher adhesion to low-energy surfaces (some plastics, films)
- Suitable for applications where moisture resistance is required

## 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.**

### SOUTHEAST



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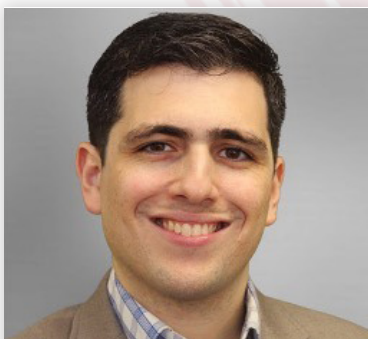


### NORTHEAST



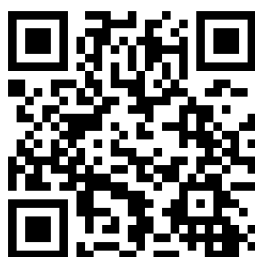
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### CONTACT US

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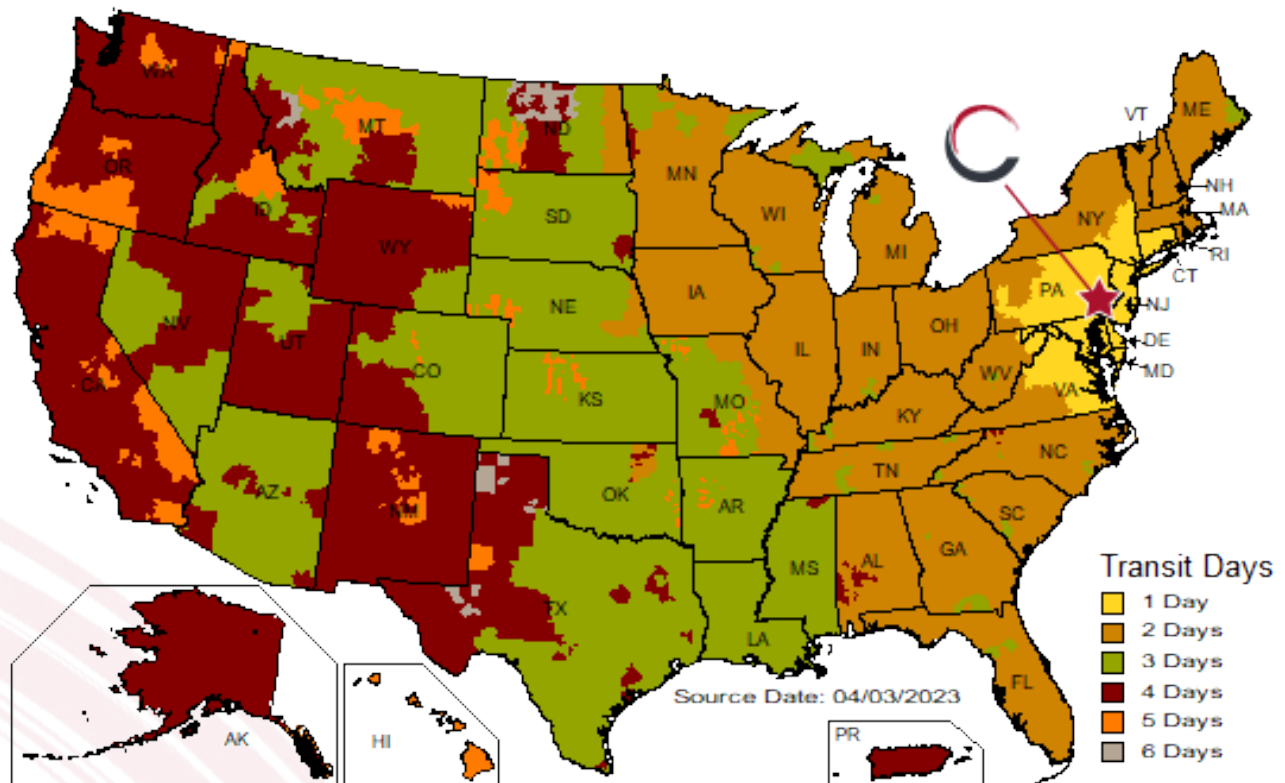


**Craig Zelle**

Vice President, Sales  
215-264-7065

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