

WE SELL THE  
**COMPLETE  
PACKAGE** FOR  
YOUR INDUSTRIAL  
& STRUCTURAL  
ADHESIVE NEEDS

- Abrasives
- Adhesives
- Dispensing Guns
- Sealants
- Silicones

- Specialty Chemicals
- Tapes
- No-Drill Bonding Fasteners™
- CounterBalance™

Order online at [www.chemical-concepts.com](http://www.chemical-concepts.com) or call 1.800.220.1966



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**Remember, adhesives are not merely commodities but highly technical products. Turn to Chemical Concepts, the adhesives specialists, to ensure your total satisfaction.**

# Why Buy?



Buy from the Adhesive Innovators not the Immitator's!

**OVER 40+ Years of Servicing Industry Markets. Not only do we know adhesives, we know your requirements.**

*We are one of the largest stocking distributors for LORD products on the East Coast*

## WHY BUY YOUR ADHESIVES AND SUPPLIES FROM CHEMICAL CONCEPTS?

*Our experience is unlike any other general distributor.* We focus on adhesives, adhesive systems, and adhesive applications. Using adhesives successfully requires more than just buying the right tube of glue. Proper surface preparation, application methods, fixturing, etc, will determine the difference between 100% success or application failure. We deliver everything you need to get the job done right, including free consultation on special applications.

*The track record of Chemical Concepts* results from over 40 years of servicing industry markets. Not only do we know adhesives, we know your requirements.

*Our stock is fresh.* We order more adhesives in one month than a general distributor orders in a year. Plus we have industrial refrigeration in our warehouse to ensure peak product freshness. Our products will never be out of date or improperly stored.

*Rely on the Adhesive Experts—with answers to you questions based on our 40+ years of experience servicing industry markets.*

*Top Represented Manufacturers. Learn why our customers continue to stick with us!*





## Adhesives

# ADHESIVES

## *The Technology of Today and the Future*

Adhesives have become an important part of modern industry, from tiles on a space shuttle and automotive assembly to home appliances. Structural (load bearing) adhesives have proven their ability to provide reliable bonds in the manufacturing process. If you are not using adhesives in many of your assemblies, let us help you discover potential applications for cost saving and performance enhancing benefits.

### *The advantages of using adhesives*

- Ability to bond different substrates together
- No galvanic effect between dissimilar metals
  - Attach thin and small parts with ease
- Equal distribution of stress not possible with fasteners
- Avoid the expense, clean up and possible distortion of welding metals
  - Non-electrically conductive
  - High environmental resistance
- Seals joints and provides a moisture barrier
  - Weight reduction
  - Cost reduction

### *Adhesive kits...lets get started*

Chemical Concepts offers adhesive start-up kits with instructions and includes everything necessary to use the adhesive in a bonding operation. These adhesives come in convenient cartridges which do not require hand mixing.

See what adhesives can do for your business!





# Lord® Structural Adhesives

**LORD**®



**LORD 406/19**  
375ml

**LORD 201/19**  
225ml

**Maxlok**  
MX/T3, MX/T6, MX/T18\*\*



## Acrylics

### Maxlok Adhesives

Two Part Acrylic Adhesive

**(MX/T3, MX/T6, MX/T18)\*\*†**

For bonding metals and plastics.

- Featuring improved peel strength glass beads for precise application.

### 400 Series Adhesives

**(403/19, 406/19, 410/19)\*\*†**

Two Part Acrylic Adhesive

For bonding metals and plastics.

Standard bearer in metal bonding.

- High temperature resistance to 400° F
- Can be powdercoated.

### 200 Series Adhesives

**(201/19, 204/19, 206/19)\*\*†**

Two Part Acrylic Adhesive

For bonding metals and plastics.

- Little to no surface prep • PVC • Bare Metal
- Temperature resistance up to 300° F

†variable cure rates available

\* Hi-temperature resistance: up to 400° F

See our complete line of Lord Products @ [Chemical-concepts.com](http://Chemical-concepts.com)



# Lord® Structural Adhesives

**LORD®**



## Epoxies

### LORD® 310 A/B

Two Part Epoxy Adhesive

- High and low temp resistance; -40° F to 400° F
  - General Purpose
  - For bonding stone, concrete, wood, plastics, and metals.
- The ideal anchoring adhesive for stud mounting.



### LORD® 320/322

Two Part Epoxy Adhesive

- High and low temp resistance
- General Purpose



### LORD® 305 A/B

Two Part Epoxy Adhesive

- HDU • PVC • Wood • Fiberglass
  - Painted Metal • Polycarbonate
- For use when bonding composites and dissimilar substrates.



### LORD® 306 A/B

Two Part Epoxy Adhesive

- HDU • PVC • Wood • Fiberglass
- Painted Metal • Polycarbonate • UV resistant

Mill Spec—MIL-1-24456

†variable cure rates available

\* Hi-temperature resistance: up to 400° F

See our complete line of Lord Products @ [Chemical-concepts.com](http://Chemical-concepts.com)



# Lord® Structural Adhesives



## Urethanes



### LORD® 7542+ and 7545+

Two Part Urethane Adhesive

- HDU • PVC • Wood • Fiberglass • Multiple cure timed
- Painted Metal • Polycarbonate

For use when bonding composites and dissimilar substrates.

- Durable • Environmentally friendly • Chemically resistant

### LORD® 7550 A/C

Two Part Urethane Adhesive

Optically Clear

- Self leveling • Environmental friendly

- HDU • PVC • Wood • Fiberglass

- Painted Metal • Polycarbonate • UV resistant

### LORD® 7100

Two Part Urethane Adhesive

- HDU • PVC • Wood • Fiberglass

- Painted Metal • Polycarbonate • UV resistant

- Black • Room Temperature or heat cure

- No VOC • Non-flammable

### LORD® 7150

Two Part Urethane Adhesive

- Room temperature or heat cure • No VOC

- Non flammable • Gray

†variable cure rates available

\* Hi-temperature resistance: up to 400° F

See our complete line of Lord Products @ [Chemical-concepts.com](http://Chemical-concepts.com)



# Lord® Structural Adhesives



## Primers and Adhesion Promoter

### LORD® AP134

#### Moisture-cure Primer for Glass Bonding

- Low viscosity
- Solvent borne reactive polymer
- Promotes adhesion to a variety of polar substrates.

### LORD® 459T

#### Adhesion Enhancer/Surface Modifier

- Designed for promoting adhesion to thermoplastic elastomers (TPE), thermoplastic polyolefins (TPO) and EPDM
- Toluene solvent, diluted for direct application.

### LORD® 459X

#### One-Coat Adhesion Enhancer/Surface Modifier

- Promotes adhesion to thermoplastic elastomers (TPE), polyolefins (TPO), and EPDM.
- Xylene-based primer
- Diluted for direct application.

### LORD® 7701

#### Solvent-Based Primer

- Surface treatment that improves adhesion to cast urethanes and cured rubber.

See our complete line of Lord Products @ [Chemical-concepts.com](http://Chemical-concepts.com)





## Structural Adhesives



### Devcon Structural Adhesives



#### Devcon® Plastic Welder

- Toughened adhesive for high strength load-bearing bonds to engineered plastics, metals, composites, ceramics, and dissimilar substrates.
- Approved under UL 746C Polymeric Adhesive Systems, Electrical Equipment - Component. SAMS listed.



#### Devcon® DA 999

- 400ml cartridge
- Devcon Food Grade Pot & Seal
- An epoxy potting compound acceptable for meat and poultry plants. It is ideal for bonding filter screens to frames.



#### Devcon® 10 Minute Epoxy

- Excellent peel strength
- Flexible
- Good impact resistance

See our complete line of Devcon Products @ [Chemical-concepts.com](http://Chemical-concepts.com)



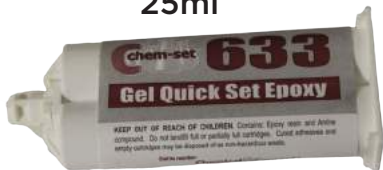
# Chem-set™ Structural Adhesives



## Chem-Set™ Structural Adhesives



25ml



50ml



600ml



50ml



25ml

### Chem-Set™ 633 GEL Epoxy

- Economical, general purpose epoxy
- 25ml, 50ml or 400ml
- High Viscosity
- Bonds to stone and wood

### Chem-Set™ 633 LV Epoxy

- Low viscosity, general purpose epoxy
- 250ml or 600ml
- Low Viscosity

### Chem-Set™ 605 Quick Set Acrylic

- Economical, general purpose acrylic
- 25ml, 50ml or 400ml
- Exceptional bonds to non porous substrates
- Bonds places, metals, and many substrates

See our complete line of Chem-set™ Products@Chemical-concepts.com



# Chem-Set™ Adhesive / Sealants

## Chem-Set™ RTV 4500

- General purpose one-component 100% RTV acetoxysilicone sealant.
- Available: translucent, white, trans-white, cameo, black and more  
(see Resources section of chemical-concepts.com for additional colors)



## Chem-Set™ RTV 7500

- Neutral cure, one-component RTV oxime silicone sealant, low odor and non-corrosive.
- Available: translucent, white, grey, black and more  
(see Resources section of chemical-concepts.com for additional colors)



## Chem-Set™ PB-3

- One-component, siliconized acrylic latex, paintable, mildew resistant and non-yellowing.
- Available: translucent and white



## Bondaflex 100

- General purpose, one component
- 100% RTV acetoxysilicone sealant
- Non-sag
- VOC Compliant

## RTV 6500 High Temp Red

- High temperature red silicone sealant
- Rated to 500° F continuous and up to 600° F intermittent
- Non-sag
- VOC Compliant



See our complete line of Chem-set™ Products@Chemical-concepts.com



# Chem-Set™ Adhesive / Sealants

## Innovative Ideas to Bond Your Future!

A one component, high strength adhesive / sealant with excellent adhesion to pre-painted metals, plywood, glass, aluminum, steel, SMC, Rim, FRP and many plastics and composites. 100% solids (contains no solvents), containing no isocyanates. Paintable and sandable, tack free in 45 minutes.

### BENEFITS

- Combines best qualities of urethane and silicone sealants
- High early green strength/same day painting
- Bonds to most substrates without priming
- Wide range of applications
- Ready to use, labor cost reduction
- Easier to match contour of parts
- Vibration damping
- Improved aesthetics
- Low dirt pick-up
- Speed and ease of application
- Save application steps

### FEATURES

- Silyl-Terminated Polyether
- Extremely fast tack free time
- Excellent adhesion
- High abrasion and tear strength
- One-component
- Paintable and sandable
- Provides shock resistance
- Non-staining, non-yellowing
- Tack free surface
- Superior gunning and tooling
- Primerless for most substrates



***Applications:** Because of its strength, it may be used to reduce the use of mechanical fasteners, vehicle cab construction, waterproofing lap seams, floor and roofing, sealing all joints. Can be used in many industrial applications. Call for technical information on your specific application.*



### **MS-35** White

It's strong and flexible

#### Hybrid Adhesive Sealant

Available in 10.3 standard caulking cartridge

- **2 TIMES BOND STRENGTH OF SILICONE** -Lap Shear: 250- 330 PSI
- **100% VOC HAPS/Compliant**  
-75°F to 250°F (Operating temp range)
- Shelf Life 9 months • 24 tubes per case



### **75-AM** Ultra Clear

#### One-part Adhesive/Sealant

High Performance Elastomeric Adhesive Sealant

- **2 TIMES BOND STRENGTH OF SILICONE** -Lap Shear: 250- 330 PSI
- **100% VOC HAPS/Compliant**  
-75°F to 250°F (Operating temp range)
- Shelf Life 9 months • 24 tubes per case



# Chem-Set™ Adhesive / Sealants

## Chem-Set™ MS35 Adhesive Sealant

- |   |                |  |              |
|---|----------------|--|--------------|
|    | ULTRA CLEAR    |    | SANDTONE     |
|    | OFF-WHITE      |    | COCOA BEAN   |
|    | CANVAS         |    | BRONZE       |
|  | TRANS / GRAY   |  | RED ROCK     |
|  | BLUE-WHITE     |  | TERRATONE    |
|  | CHAMPION BEIGE |  | TERRA COTTA  |
|  | SAND BEIGE     |  | GRAY         |
|  | TAN            |  | FOREST GREEN |
|  | DRIFTWOOD      |  | LIMESTONE    |
|  | DESERT TAN     |  | BLACK        |

Available in Custom Colors



# Chem-Set™ Adhesive / Sealants



## Chem-set™ RTV4500 Silicone



CLEAR



WHITE



TRANS / CHARCOAL



ALMOND



TRANS / BLUE



TAUPE



TRANS / GRAY



CAMEO / BISQUE



TRANS / WHITE



GRAY



TRANS / BEIGE



ORCHID



TRANS / GREEN



SANDBAR



TRANS / ROSE



MEXICAN SAND



TRANS / BROWN



ROCK CREEK



TRANS / EARTHTONE

Available in Custom Colors



## Adhesives/Sealants



### **Bondaflex 100% Silicone**

Bondaflex 100 sealant is intended for a variety of applications including general purpose construction and industrial applications. Due to its excellent adhesion characteristics, Bondaflex 100 can be used for sealing and adhering glass, most types of wood, clean metal, ceramic, natural and synthetic fiber and many painted and plastic surfaces in a variety of applications in industrial manufacturing and assembly.



CLEAR



BONE



WHITE



GLACIER WHITE



TRANS / WHITE



CAMEO WHITE



BLACK



## Adhesives/Sealants



### Sika

#### Sikaflex 221

- High strength polyurethane adhesive/sealant, non-sag, low odor, sandable and paintable.
- Available: white, grey and black



#### Sika Anchorfix-2

- Two component, solvent and styrene free anchoring adhesive. Great for stud mounting in concrete and masonry base materials.

#### Sikaflex 521 UV

- Multi-purpose, weather resistant, non-sag, elastic, one-part-terminated polyurethane hybrid sealant, which cures on exposure to atmospheric moisture to form a durable elastomer



#### Sikaflex 219 LM

- One component, low- modulus, high performance, moisture curing polyurethane sealant with excellent adhesion to aluminum, FRP, steel, wood, masonry, and most plastics with proper surface preparation



See our complete line of Sika Products @ [Chemical-concepts.com](http://Chemical-concepts.com)





## Adhesives/Sealants

# ShinEtsu

## Shin-etsu

### KE-3475



- General Electrical Applications
- Sealing, coating
- Curing method- condensation (acetone)
- Low viscosity

### KE-44



- One-component, ready to use, low corrosion adhesives/sealants
- Self-leveling
- 100% solids
- Low odor
- Excellent adhesion to many substrates
- Used to cure tough, durable, resilient silicone rubber on exposure to atmospheric moisture at room temperature
- Translucent/white
- Dielectric strength of 500 V/mil

### KE-45



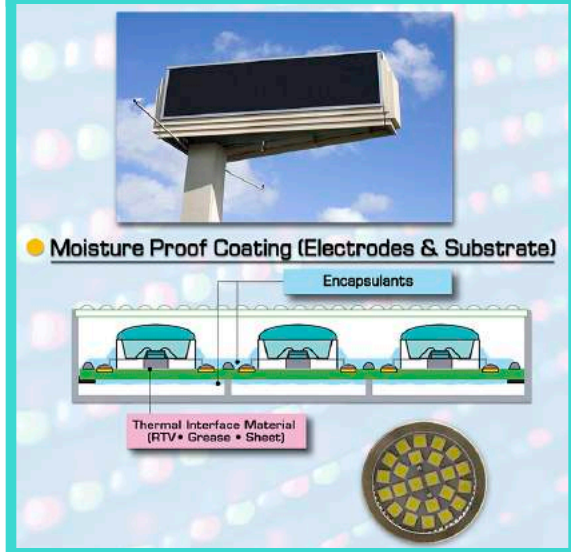
- Time is required for inner areas to cure, because these agents cure from the surface down to the inner areas.
- One-component
- Thixotropic
- Low corrosion
- Low odor
- General purpose sealing, bonding, and gasketing

See our complete line of Shinetsu Products @ Chemical-concepts.

# Potting & Encapsulation



## Shin-etsu Silicones



### KE-109E A/B

- Clear
- LED coating
- 1000 cps
- Conformed coating
- 25 shore A Hardness

### X-832 OSO A/B

- Clear
- Connector sealing
- 1:1
- 750 cps

### KE 132 A/B

- Black
- LED driver potting
- 1:1
- Power supply potting
- 1400 cps

### KE 1204 A/B

- Red
- 1:1
- 5000 cps
- Power supply potting

See our complete line of Shinetsu Products @ Chemical-concepts.

## Potting & Encapsulation



### Quantum Silicones

#### QSIL 214

- For LED Potting • Optically clear
- Operating temperature -55° C to 204° C (-67° F to 400° F)
- Room temperature cure
- Can be accelerated by mild heat
- 1:1 mixing ratio • UV resistant
- UL Approved



#### QSIL 553

- Electronic Potting
- Thermally conductive, black
- Operating temperature -55° C to 204° C (-67° F to 400° F)
- Room temperature cure • 1:1 mixing ratio
- Can be accelerated by mild heat



#### QM 330

- Clear potting gel
- Operating temperature -55° C to 204° C (-67° F to 40° F)
- Room temperature cure • 1 : 1 mixing ratio
- Can be accelerated by mild heat
- Excellent dielectric strength
- Vibration shock absorbtion.

See our complete line of Quatum Products @ [Chemical-concepts.com](http://Chemical-concepts.com)



## Mold Making




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### Quantum Silicones

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#### QM 280 A&B

- 90,000 cps catalyzed viscosity
- 8-12 hour demold time
- 75% elongation
- 10:1 mix ratio
- Designed for complex parts where High Tear strength is required



#### QM 264

- 110,000 cps catalyzed viscosity
- 12-18 hours demold time
- 240% elongation
- 10:1 mix ratio



#### QM 128

- High tear strength
- Low Viscosity
- Condensation Cure
- 24 Shore A
- 10:1 mix ratio

See our complete line of Quantum Products @ [Chemical-concepts.com](http://Chemical-concepts.com)



# Mold Making



## Shin-etsu



### KE 1300ST

- Resistant to high temperatures and aging
- Translucent • Excellent non-stick effect
- 40 Shore A hardness, will not shrink in service
- 100,000 CPS • Viscosity 80,000
- Platinum cure for high precision prototype



### KE 1310ST (Premium version of KE 1300T)

- Resistant to high temperatures and aging
- Translucent • Excellent non-stick effect
- Offers unsurpassed resistance to attack by urethane and epoxy molding resins
- 75,000 CPS
- Platinum cure for high precision prototype



### KE 1604

- Resistant to high temperatures and aging
- Translucent
- Excellent non-stick effect
- High Durometer 60A
- General Purpose, High modulus
- Viscosity 100,000
- Platinum cure for high precision prototype

See our complete line of Quantum Products @ [Chemical-concepts.com](http://Chemical-concepts.com)



## Cyanoacrylates

### Permabond®

## Permabond



### Permabond® 101

- Low viscosity, general purpose, cyanoacrylate
- Wicking type, plastic bonding
- Shear strength of 3,000 PSI
- 5 second set time
- 1-3 CPS



### Permabond® 268

- Large gap fill cyanoacrylate
- Rubber bonding
- Shear strength of 3,000 PSI
- 10 second set time
- 1800 CPS



### Permabond® 910

- Low viscosity metal bonding cyanoacrylate
- General purpose metal bonding
- Shear strength of 3,700 PSI
- 10 second set time
- 70 CPS

See our complete line of Permabond Products @ [Chemical-concepts.com](http://Chemical-concepts.com)



# Cyanoacrylates



## Permatex



### Zip Grip® GPE 100

- 100 CP viscosity
- Clear
- Medium viscosity, general purpose cyanoacrylate
- 0.004" gap filling



### Zip Grip® TE 1000

- 1000CP viscosity
- Clear
- Medium viscosity, rubber toughened cyanoacrylate with exceptional impact resistance
- 0.009" gap filling
- Rated up to 280° F



### Zip Grip® TE 2400

- 2,400 CP viscosity
- Clear
- High viscosity, rubber toughened cyanoacrylate with excellent flexibility
- 0.009" gap filling
- Adhesive tensile shear of 3,700 PSI
- Service temperature from -65° to 280° F

See our complete line of Permatex Products @ [Chemical-concepts.com](http://Chemical-concepts.com)



## Cyanoacrylates

### **PACER**<sup>®</sup> INDUSTRIAL



#### **E-5**

- Ultra-low viscosity: Able to penetrate between parts
- Allows up to a .002 gap fill capacity
- Meets MIL-A-46050C Type II Class 1  
available in 5g, 20g or 1lb.

#### **E-1500**

- High viscosity: Bridges gaps
- Allows up to a .0010 gap fill capacity
- Meets MIL-A-46050C Type II Class 3  
available in 20g or 1lb

#### **RX-50**

- Fast Cure time: General purpose
- Allows up to .005 gap fill capacity
- Meets MIL-A-46050C Type II Class 2  
available in 5g, 20g or 1lb.

#### **RX-500**

- Slow Cure time: Bridges Gaps
- Allows up to .008 gap fill capacity
- Meets MIL-A-46050C Type II Class 3  
available in 5g, 20g or 1lb.

### **Advanced Grade CA's MR-290**

- Moisture resistant
- Slow Cure: Allows part positioning time
- Allows up to a .012 gap fill capacity
- Meets MIL-A-46050C Type II Class 2  
available in 5g, 20g or 1lb

#### **MR-3000**

- Moisture resistant
- Very Slow Cure: Allows work piece alignment
- Allows up to a .0015 gap fill capacity
- Meets MIL-A-46050C Type II Class 3  
available in 20g or 1lb

See our complete line of Pacer Products @ [Chemical-concepts.com](http://Chemical-concepts.com)





# Anaerobics

## Permabond®



### Permabond

#### Permabond® LH050 Pure

- Instant Seal
- Seal to burst rating of pipe after cure
- Simple one part system
- Superior environmental resistance
- NSF certified drinking water system component
- Ease of use and assembly



#### Permabond® LH050

- Full cure seal to burst rating of pipe
- Easy to use & apply
- Nonflammable
- Environmentally friendly
- Allows for adjustment up to 10 hours post assembly
- High temperature resistance
- Full cure at room temperature



#### Permabond® HH120

- Prevents vibration loosening
- Non-drip thixotropic
- Room temperature cure
- Corrosion protection
- 100% solids

See our complete line of Permabond Products @ [Chemical-concepts.com](http://Chemical-concepts.com)



# Anaerobics

**PACER**<sup>®</sup>  
INDUSTRIAL

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## Pacer

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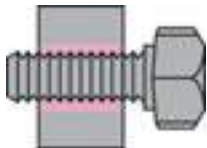
### ANL-42

- Medium strength: Removable general purpose adhesive
- Locking/sealing fasteners over 1/4" in diameter
- Can be disassembled with hand tools
- Meets MIL-S-46163A, Type I, Grade K  
available in 10ml, 50ml, 250ml or 1liter

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### ANL-77

- High strength: Permanent
- Locking/sealing large bolts and studs for fasteners  
1" in diameter or larger
- Disassembly difficult, heat required
- Meets MIL-S-46163A, Type I, Grade L  
available in 10ml, 50ml, 250ml or 1liter



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See our complete line of Pacer Products @ [Chemical-concepts.com](http://Chemical-concepts.com)



# Contact Cement / PSA

## Chem-Set™

## Specialty Contact Cement Adhesives



### Chem-Set™ 300M

- Non- Flammable • Low VOC/OTC compliant
- Solvent based • Spray grade • High Solids
- Available in pails and drums
- Bonds plastic laminates, metals, foams, and wood



### Chem-Set™ 305 Low Viscosity

- Flammable • Low VOC • Spray grade
- High solids • SBR rubber
- Available in pails and drums
- Bonds plastic laminates, metals, foams and wood



### Chem-Set™ 315M

- Solvent based • Spray grade • High Temperature
- Brush, Roller or spray • Non Flammable
- Available in pails and drums
- Bonds plastic laminates, metals, foams, wood



### Chem-Set™ 205M

- Non- Flammable • Low VOC/OTC compliant
- Solvent based • Long open time • High solids
- Brush, Roller or spray • Available in pails and drums
- Bonds plastic laminates, metals, foams, wood and automotive vinyl

See our complete line of Chem-set™ Products @ [Chemical-concepts.com](http://Chemical-concepts.com)



## Aerosols / Contact Adhesive / PSA



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### Quality

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#### **Q6000 High Solid Solvent**

- Pressure Sensitive Adhesive
- Wicking type, plastic bonding
- Shear strength of 3,000 psi
- 5 second set time



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#### **Q5200 High Temp Strength Solvent**

- Contact Adhesive
- Plastic bonding
- Shear strength of 3,000 psi
- 10 second set time



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#### **Q8200 Adhesive Remover/Gun & Hose Cleaner**

- Economy spray gun
- Spray tips Vary

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See our complete line of Quality Products @ [Chemical-concepts.com](http://Chemical-concepts.com)



## Aerosols / Contact Adhesive / PSA




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### ITW

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#### STA'-PUT Z100

Solvent Free Postformable adhesive is a high strength contact adhesive specifically designed to bond a wide variety of substrates in woodworking, laminating, and many other applications. Z100 provides excellent initial and ultimate bond strengths as well as exceptional heat resistance. Z100 is ideal for postforming operations, and combines zero flammability with zero VOC, zero Methylene Chloride, and zero HAPS.



#### STA'-PUT SP80

Is a solvent-based, low VOC, non-chlorinated contact adhesive specifically formulated for bonding high pressure laminate to particleboard and many other porous & non-porous surfaces. SP80 provides high solids, and a water resistant bond, and also exhibits high strength, aggressive grab, and quick tack. SP80 is also available in an aerosol can for Laminate Repair and Edgebanding. This product is also available in a canister system that provides a smooth spray pattern and reduces telegraphing on thin laminates.

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See our complete line of ITW Products @ [Chemical-concepts.com](http://Chemical-concepts.com)



# Spray Equipment

**BINKS**<sup>®</sup>

**Binks**

## Your Single Source for Spray Finishing Equipment

- Spray Guns  
HVLP-Conventional-Airless
- Pressure Pots
- HVLP Finishing Systems
- Airless Coating Systems
- Air & Fluid  
Hose and Accessories



Chemical Concepts is your source for all BINKS equipment. Our 40 years of fluid handling experience gives us the technical background to guide you in selecting the proper equipment for your application.

Contact us for all of your Fluid Finishing and Supply needs.

Chemical Concepts distributes the full line of Binks Products



# Tapes



## Tesa



### tesa® 7054 ACXplus 20 mil

ACXplus tapes for interior/exterior structural bonding.

- Transparent acrylic core tape • Non-yellowing
- Unmatched environmental resistance • Compare to 3M VHB
- High temperature resistance: 392°F (20 min); 212°F (long term)



### tesa® 7055 ACXplus 40 mil

ACXplus tapes for interior/exterior structural bonding.

- Transparent acrylic core tape • Non-yellowing
- Unmatched environmental resistance • Compare to 3M VHB
- High temperature resistance: 392°F (20 min); 212°F (long term)



### tesa® 7063 ACXplus 32 mil

ACXplus tapes for interior/exterior structural bonding.

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



### tesa® 7065 ACXplus 47 mil • Compare to 3M VHB

ACXplus tapes for interior/exterior structural bonding.

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



### tesa® 7074 ACXplus 40 mil

ACXplus tapes for interior/exterior structural bonding.

- Black acrylic foam tape • Unmatched environmental resistance
- Superior performance on powder coated and low energy surfaces
- High temperature resistance (450° F)
- Can be powder coated • Compare to 3M VHB

See our complete line of tesa tapes @ [Chemical-concepts.com](http://Chemical-concepts.com)



## Tapes



### Tesa



#### tesa® 61010 8 mil

Interior mounting

• Compare to 3M 9473Isotac

• Transparent PET filmic tape • Great for laminating composite sheets



#### tesa® 4970 Banner Tape 10 mil

• White PVC-film acrylic tape

• High temperature resistance:  
392°F (20 min); 212°F (long term)

• High Strength • Durable



#### tesa® 4334 Precision Mask 3.5 mil

Masking tape

• Yellow general purpose masking tape

• Razor sharp paint edges

• Easily removable up to 5 months after application



#### tesa® 50600 Powder-Coating Tape 3 mil

Masking tape

• Green, high-temperature masking tape for powder coating  
-Features a polyester backing with a silicone adhesive

• High temperature resistance - up to 220° C / 428° F (30min.)

• Easy to apply

• One piece removal without leaving residue



#### tesa® HAF 8401 — 1700 + PSI

• Very high bonding strength

• High temperature resistance

• Excellent chemical resistance

• Bonds remain flexible and elastic

• Heat activated  
structural tape

See our complete line of tesa tapes @ [Chemical-concepts.com](http://Chemical-concepts.com)





# Tapes



## VST High Bond Tapes



All types available in 1/2", 3/4", 1"  
*Ask about!*

**Interior Double Coated Foam Tape**

VST Tape	Color	Thickness	Compare
6120	Gray or White	47 ml	3M 4950
6364	White	25 ml	3M 4932
6100	Clear	40 ml	3M 4910
3050	Clear	20 ml	3M 4905
3025	Clear	10 ml	3M 9473

### VST

- Compare to 3M VHB
- High bond tapes for heavy duty industrial applications
- Truck fabrication, wall panels, signage, structural metal, and composite bonding
- Economical (typically 1/3 cost of 3M VHB)



### Chem-Set™ Surface Protection Film

- Chem-Set's counter protection film is used to protect counters, metal, plastics and marble/granite pieces from damage during storage, construction, and transportation.
- Can be safely applied to the surface without damaging the counter or leaving residue.



See our complete line of Chem-set™ Tapes @ [Chemical-concepts.com](http://Chemical-concepts.com)



# Sanders, Abrasives and Pads



## USING A 6" DA (DUAL ACTION) SANDER?

Try the **Chem-Set™ 11" Electric Orbital Sander**

**Cut your labor costs 50%**



### Electric Orbital Sander

The latest innovation for...  
**SOLID SURFACE, WOODWORKING AND METAL FABRICATION INDUSTRIES!**

This heavy duty machine runs at 1700 "orbits" per minute without the possibility of creating the swirl marks associated with high-speed rotary buffers. Smooth, hand-polish action safeguards against surface damage. GEM'S counter weight system is well balanced and smooth running, so you can guide the sander over the surface and let the 18 lbs. of weight do the work for you.

GEM's orbital action sands, polishes and finishes with a motion like that of the human hand. Sands equally well and uniformly on solid surface, wood and metal products.

The Gem Sander comes with a 11" drive pad that utilizes the hook and loop sandpaper. Chemical Concepts provides a full line of abrasives to be used with the Gem Sander.

FEATURES	SPECIFICATIONS
<b>Features</b> <ul style="list-style-type: none"> <li>• Heavy-duty ball bearing capacitor motor</li> <li>• No gears to grind or strip out</li> <li>• No armature winding to burn out</li> <li>• No carbon brushes to burn out</li> <li>• Exclusive removal shaft system</li> <li>• Sands, polishes and finishes</li> </ul>	<b>Specifications</b> <ul style="list-style-type: none"> <li>Weight.....18 lbs.</li> <li>Overall height.....10in.</li> <li>Amps..... 2.3@110v, 1.2@220v</li> <li>RPM.....1,77@11v</li> <li>Moto..... 110v/220v</li> <li>Housing.....heavy-duty aluminum</li> </ul>

### Abrasives

**Sanding Pads**

**GREAT QUALITY!**

Maroon and Gray Scuff

6" PSA & Hook and Loop

5" PSA & Hook and Loop

- Scuff Pads
- Reasonably Priced!
- PSA and Hook and Loop

\* Assortment of Grits: 80, 120, 180, 220, 320



### Sandpaper

**11" Aluminum Oxide**

25 sheets per box | 80 Grit • 120 Grit • 180 Grit • 220 Grit

### ScotchBrite 11"

10 sheets per box | Available in Gray or Maroon

5" and 6" paper also available - call for pricing

See our complete line of sanders, abrasives and pads @ [Chemical-concepts.com](http://Chemical-concepts.com)



# Sanders, Abrasives and Pads



Package contains 6 pads



## Sia

### 6924 HD SCM Discs and Locking Discs

- Aluminum Oxide
- Use for weld blending and removal of deep grinding
- Cleaning, finishing, and deburring all metal for a blur-free finish suitable for powder coating

### 4515 Discs

- High performance Ceramic fiber disc

### 1815/1820 Discs

- High quality zirconia discs, better value than fiber discs

### 2824 Flap Discs

- High quality zirconia discs, maintains consistent abrasive surface throughout life

### 6120 Non-Woven Abrasive Hand Pads

- Maroon, grey & black
- Compare to 3M Scotchbrite

See our complete line of Sia Products @ [Chemical-concepts.com](http://Chemical-concepts.com)

# Hot Melt Adhesive

## Chem-Set™ Hot Melt Adhesives



### 725R10

- General purpose for porous and non-porous materials
- Use on metals, ceramics, coated papers, non-porous materials
- Sizes: 1/2" x 10", 5/8" x 2"
- Colors: 725R10-Translucent

**additional sizes:**

701R10 1/2 x 10" • 701R15 1/2 x 15"  
 707R10 1/2 x 10" • 711R10 1/2 x 10"  
 711R15 1/2 x 15" • TC725 5/8 x 2"  
 TC735 5/8 x 2" • Q707 5/8 x 10"

**Warning:** Contact with skin can cause severe burns!

### 735R10

- High strength hot melt
- Use on metals, ceramics, coated papers, non-porous materials
- Sizes: 1/2" x 10", 5/8" x 2"
- Colors: 735R10-Amber



### HM612

- For use with CCH220 gun
- Full cure in 5 minutes • Will not get brittle
- One stick covers 4 linear feet
- Newest technology in hot melts using acrylic resins for stronger bonds

**Other formulations available—call for more information**

#### About hot melts...

Hot Melts are made of thermoplastic polymers which can be heated repeatedly and cooled without change in their chemical structure. Being 100% solid material they do not present the problems associated with solvent based adhesives.

Hot Melts bond or grab in seconds reaching 50% of bond strength in one minute, 75% in one hour and 100% in twenty four hours.

Liquid hot melts can reach temperatures of 400°F.

See our complete line of Chem-set™ Hot Melt Dispensers @ [Chemical-concepts.com](http://Chemical-concepts.com)



# Hot Melt Adhesive Guns

## Chem-Set™ Hot Melt Dispense Guns



### PRO9000A

- 200 watts of power • 1/2" or 7/16" glue stick diameter
- High temperature industrial glue gun
- Stainless steel heater with thermostat temperature control
- Lighted on/off switch • Double insulated ground cord



### CCH220

- 220 watts of power • Full cure in 5 minutes
- Use with 1/2" diameter sticks—Chem-set™ HM612 hot melt adhesive
- Complete with stand, on/off switch and adjustable thermo



### PRO2-100

- 100 watts of power
- Use 1/2" or 7/16" glue stick diameter
- High temperature industrial glue gun
- Ergonomic design long trigger for less effort



### GGK100

#### Portable Butane Hot Melt Gun with carry case

- Handles 2 hours of fuel—140 minutes continuous run time
- Bonds chipboard and wood, fasten plastics, light metals and textiles
- 3 nozzles, 3.75 oz can of butane, case has a slot to hold butane
- Use 1/2" or 7/16" glue stick diameter • Additional butane available

See our complete line of Chem-set™ Hot Melt Dispensers @ [Chemical-concepts.com](http://Chemical-concepts.com)



# Hot Melt Adhesive Guns

## Chem-Set™ Hot Melt Dispense Guns



### PRO8000A

- 180 watts of power, 120 Volts
- 1/2" or 7/16" glue stick diameter
- High temperature industrial glue gun with dual heaters
- Ergonomic design long trigger for less effort
- 2 minute quick heat up time
- Lighted on/off switch



### HYBRID120

- Cordless: 18 volt, 70 watts • Corded: 110 volt, 90 watts
- Uses: Ryobi 18V One+Lithium-ion Technology Compact Battery
- 1/2" or 7/16" x 10 standard (.43) glue stick diameter
- High temperature industrial glue gun with dual heaters
- Ergonomic design long trigger for less effort
- Gun only (components sold separately)
- On/off switch battery switch

*Also available separately*



### PRO2-450

- 450 watts of power • Use 5/8" (.625") glue sticks
- High temperature industrial glue gun
- Adjustable temperature control
- Comfortable ergonomic design
- Glue output stroke adjustment • Removable metal stand
- Interchangeable nozzle • Lighted on/off power switch

See our complete line of Chem-set™ Dispense Guns @ [Chemical-concepts.com](http://Chemical-concepts.com)

# Dispense Guns

**Chem-Set™** We stock Manual & Pneumatic Adhesive Dispense Guns from Cox, Newborn, Sulzer and Albion.



## CCH50G

- For use with 50ml cartridges • Easily converts to 1:1, 2:1, 4:1, 10:1



## 535XSP

- 26:1 Thrust ratio
- Easily converts to 300ml x 300ml, 300ml x 150ml, 300ml x 75ml



## DK Converter

- For use with 50ml cartridges
- Caulk gun adapter for use inside caulk gun: 1:1, 2:1, 4:1, 10:1
- Converts 50ml dual cartridges for use in standard 1/10th gal. caulking guns

*\*DK Converter fits inside caulk gun*

*\* Pictured inside 250 caulk gun*



## M380

- 18:1 Thrust ratio • For use with coaxial cartridges
- Available gun ratios: 1:1, 2:1, 4:1, 10:1



## 830A30

- Multi Ratio Pneumatic 2-part Adhesive Dispensing Gun
- 300ml x 300ml, 300ml x 150ml, 300ml x 75ml, 150ml x 150ml



## 520 GUN

- 18:1 Thrust ratio
- Easily converts to 75ml, 150ml, 180ml



## 250 HIGH THRUST Caulk Gun

- 18:1 Thrust ratio
- For use with one part adhesives/sealants in 1/10 gal caulking cartridges



## VR200XSP

- 26:1 Thrust ratio • For use with 220ml mixpac and TAH cartridges
- Easily converts to 1:1, 2:1, 4:1 and 10:1



## DM200

- Torsion free construction • Integrated Pressure Relief
- No dripping

See our complete line of Chem-set™ Dispense Guns @ [Chemical-concepts.com](http://Chemical-concepts.com)



**MRO**



**Devcon**



**Ceramic Putty**

- Smooth, trowel able, alumina filled epoxy compound for rebuilding and protecting processing equipment exposed to corrosion, erosion, cavitation, chemicals, and acids



**Wear Guard™ High Load/Temp**

- Alumina ceramic bead-filled epoxy systems with outstanding abrasion resistance for severe service conditions with particulate greater than 1/8
- Abrasion resistance in high temperature applications

*Size: 30 lb*



**Brushable Ceramic**

- Rated to 350° F
- Reduces turbulence, wear, and cavitation
- Used for pump casings, impelled blades, heat exchangers and other water circulation equipment



**Aluminum Putty**

- Aluminum filled epoxy putty for nonrushing repairs to aluminum castings, machinery, and equipment.
- Used in HVAC Applications, conforms to requirements of MIL-PRF-24176C Type 2

*Sizes: 1 lb and 3 lb*

See our complete line of Devcon Products @ [Chemical-concepts.com](http://Chemical-concepts.com)





# Solvents / Cleaners

## ORANGE-SOL De-Solv-it®



### Orange-Sol

#### Orange-Sol Multi-Use Solvent

Uses: Aerospace, Electric Component Manufacturing, Environmental Engineering, Marine, Oil & Gas (petrochemical), Plastics & Polymers, Steel Mills and other leading Industries



#### Orange-Sol Heavy Duty 245

Uses: Grease removal, oil, tar, asphalt, adhesives, wax, soap scum, chewing gum, cosmetics, wet-oil based paint



### Permatex

#### Fast Orange Cleaners

Biodegradable, waterless, petroleum solvent-free hand cleaner.

See our complete line of Orange-Sol Products @ Chemical-concepts.



# Chem-Set™ TrimGrip Bonding System

A 100 % reactive, toughened structural acrylic adhesive formulated for bonding PVC trimboard, wood, urethane, metals, aluminum, fiberglass, masonry, rigid plastics, and all other synthetic wood products.

Order **ONLINE**



Used to fill nail holes, fill gaps and joints, laminate PVC trimboard, bond aluminum cleats to PVC window/door trim moldings and fill voids in all other synthetic wood products.

Call **800.220.1966**





# INDUSTRIAL STRUCTURAL ADHESIVE BONDING SYSTEM

- ✓ **Fills nail holes**
- ✓ **Bonds PVC board**
- ✓ **Surface can be easily sanded to shape**
- ✓ **Can be used to laminate PVC board**
- ✓ **Non-sag formula**

In October of this Year, ITW/Plexus and their distribution partner Paslode, a division of Illinois Tool Works decided to exit the market for the TrimBonder product line. A private label agreement was reached between ITW/Plexus, the manufacturer of the adhesive branded as TrimBonder®, and Chemical Concepts, Inc. whereby ITW/Plexus would sell the bulk adhesive to Chemical Concepts, Inc. for packing into pails, tubes and cartridges under the ChemSet® TrimGrip® label.



400ml

# Chem-Set™ TrimGrip Bonding System



400ml

- Cellular PVC Adhesive
- Permanently bonds Trimboards, metals, synthetic wood, and PVC.
- Available with gun and nozzle/s



1500ml

In October of 2014, ITW/Plexus and their distribution partner Paslode, a division of Illinois Tool Works, decided to exit the market for the TrimBonder product line. A private label agreement was reached between ITW/Plexus, the manufacture of the adhesive branded as TrimBonder, and Chemical Concepts, Inc., whereby ITW/Plexus would sell the bulk adhesive to Chemical Concepts, Inc. for packing into pails, tubes, and cartridges under the ChemSet TrimGrip label



5 Gallon

- Fills nail holes
- Bonds PVC board
- Surface can easily be sanded to shape
- Can be used to laminate PVC board
- Non-sag formula
- 100% reactive, toughened structural acrylic adhesive formulated for bonding PVC, trimboard, wood, urethane, fiberglass, masonry, rigid plastics, and all other synthetic wood products.



# Bonding Fasteners

## Chem-Set™

### No Drill FASTENERS

No drilling or welding! Mounts using structural adhesives



**Available in stainless steel, aluminum or zinc plated**

Please see our website for available sizes and dimensions



Use **Chem-Set™ No Drill Bonding Fastener** to replace rivets, tapes and welds.

- Bonds with metals, plastics, wood, composites, stone.
- Available in Zinc plated, yellow chromate steel and stainless steel
- No drilling or taping



NEW PHOTO? What should I search/replace with

**Applications:** *Mounting, Wall Attachments, Under Mount Supports. Creative uses still being explored.*



# Bonding Fasteners

## TYPE M1 MALE BOLT STUDS

Available in both imperial and metric threads in a variety of lengths.

**MOST POPULAR BONDING FASTENERS**



Type: M1-B23



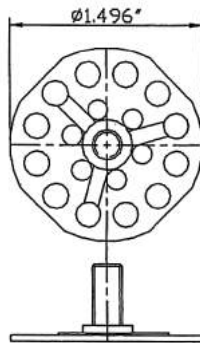
Available in plated steel and stainless steel  
(plating meets European standards)

**M1-B23** (23MM / 0.90") ROUND

THREAD SIZE	LENGTH			
1/4 UNC	.75"	1"	1.5"	2"
10/32 UNF	.75"	1"	1.25"	2"



Type: M1-B38

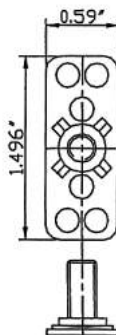


**M1-B38** (38MM / 1.5") ROUND

THREAD SIZE	LENGTH							
1/4 UNC	.675"	.75"	1"	1.25"	1.5"	2"	2.5"	3"
10/32 UNF	.675"	.75"	1"	1.25"	2"			
3/8 UNC	1.5"	2"	2.5"	3"				



Type: M1-T38



**M1-T38** (38MMX15MM/ 1.5"X.59") RECTANGLE

THREAD SIZE	LENGTH					
1/4 UNC	.5"	.75"	1"	1.5"	2"	3"
10/32 UNC	.75"	1"	1.5"			

Most popular bonding fasteners and sizes illustrated. See website for our complete line of fasteners @ [Chemical-concepts.com](http://Chemical-concepts.com)

# Bonding Fasteners

## TYPE F2 FEMALE COLLARS

*F2 - Female Threaded Collars of various lengths mounted on a variety of baseplates.*  
Available in both imperial and metric threads.

**MOST POPULAR  
BONDING FASTENERS**



Type: F2-B23

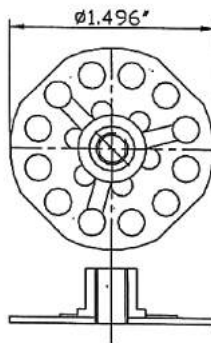


**F2-B23** (23MM / 0.90") ROUND

THREAD SIZE	LENGTH	
1/4 UNC	.375"	.5"



Type: F2-B38

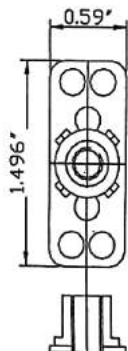


**F2-B38** (38MM / 1.5" ) ROUND

THREAD SIZE	LENGTH		
1/4 UNC	.375"	.5"	.75"
10/32 UNF	.625"		
3/8 UNC	.375"		
5/16 UNC	1"		



Type: F2-T38



**F2-T38** (38MMX15MM/ 1.5"X.59") RECTANGLE

THREAD SIZE
1/4 UNC
10/32 UNF

Most popular bonding fasteners and sizes illustrated. See website for our complete line of fasteners @ [Chemical-concepts.com](http://Chemical-concepts.com)



# Bonding Fasteners

## TYPE F1 HEX NUTS

*F1 - Female Hex Nuts securely mounted on a variety of perforated baseplates.*

Available in both Inch and metric threads.

**MOST POPULAR  
BONDING FASTENERS**



Type: F1-B23



**F1-B23** (23MM / 0.90") ROUND

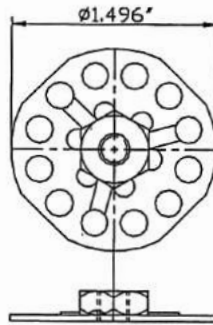
**THREAD SIZE**

1/4 UNC

5/16 UNC



Type: F1-B38



**F1-B38** (38MM / 1.5" ) ROUND

**THREAD SIZE**

1/2 UNC

1/4 UNC

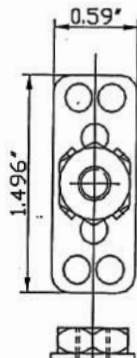
10/32 UNF

3/8 UNC

5/16 UNC



Type: F1-T38



**F1-T38** (38MMX15MM/ 1.5"X.59") RECTANGLE

**THREAD SIZE**

1/4 UNC

Most popular bonding fasteners and sizes illustrated. See website for our complete line of fasteners @ [Chemical-concepts.com](http://Chemical-concepts.com)





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