

## NEW Products

### HUNTSMAN

#### Araldite 2080 Low odor toughened Acrylic Structural Adhesive

- High Strength
- High Flexibility
- Non-flammable
- High Elongation for metals, composites and some plastics
- Available in two versions of shorter and longer reactivity time



### Specialinsert<sup>™</sup> FACTURING SYSTEMS

#### FAST-CON<sup>®</sup>

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<sup>™</sup>

#### VST Low Temperature Tapes General purpose and double coated

- Double sided, acrylic based adhesive tape
- Improved bonding at low and freezing temperatures



### Chem-Set<sup>™</sup>

#### 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



### xemex<sup>®</sup>

#### Re-Mixers Ultra-Low Waste Mixing Nozzles

- Reduces material 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 A/B 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
- Excellent green strength and high heat resistance (over 220°F/105°C)
- Fast drying with long open time
- Compare to 3M 90 Spray Adhesive
- General Purpose Contact Adhesive



### Specialinsert<sup>™</sup> OUR TRADITION IS TO INNOVATE

#### 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<sup>®</sup> Structural Adhesives

#### H4110 Faster alternative to construction adhesive

- Excellent environmental resistance
- Elastic bonding
- Excellent gap filling and thixotropic
- Easy to use 1:1 ratio
- Low print Low exotherm and low shrink



### PLEXUS<sup>®</sup> Structural Adhesives

#### MA8105 Advanced direct-to-metal, two-part methacrylate structural adhesive

- Versatile 1:1 mix ratio
- Save time and labor
- Expands design possibilities by 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
- Gel consistency for precise application



See all available products at [chemical-concepts.com](http://chemical-concepts.com)

## METAL BONDING

### LORD

#### 400 Series

##### Two Part Acrylic Adhesive

For bonding metals and plastics

Great for:

- Metal frame assembly
- 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
- Temperature Resistant
- Non-Sag



### LORD

#### 850/25GB

Toughened Structural Acrylic Adhesive

- Glass beads
- Matte gray finish
- 4:1 ratio
- Precise Bondline
- Environmentally Resistant
- Temperature Resistant
- Non-Sag



### LORD

#### Signlok 810/20

Low Read-Through Acrylic Adhesive

with LORD Accelerator 20

- For aluminum composite (Dibond, Alucobond)
- No warping caused by other glues
- Resists dilute acids, alkalis, solvents, greases, oils and moisture
- Shelf life is nine months when stored below 77°F (25°C)



## GENERAL PURPOSE ADHESIVES

### LORD

#### 7550 A/C

Two-component clear urethane adhesive system

- Optically clear adhesive for bonding trimcap materials to polycarbonate faces
- 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.

- HDU (Sign Foam)
- PVC
- Wood
- Fiberglass
- Painted Metal
- Polycarbonate
- Environmentally Recommended
- Chemically Resistant



### LORD

#### 310 A/B

Two-component epoxy adhesive system

The ideal anchoring adhesive for stud mounting.

- Stone and porous substrates
- High and low temp resistance; -40°F to 400°F
- Concrete
- General Purpose
- Bare metal to HDU
- Bare metal to wood
- Excellent Engineering Properties



### LORD

#### 7610DTM

Direct-to-Metal Seam Sealer & Adhesive

For bonding metals and plastics.

- Moisture-cure adhesive and seam sealer
- Durable
- Convenient
- Chemically Resistant
- Temperature Resistant
- Shelf Life Shelf life is 15 months when stored in a well ventilated area at or below 80°F (27°C)



## PLEXUS ADHESIVES

### PLEXUS<sup>®</sup> Structural Adhesives

#### MA830

Two Part Methacrylate Adhesive

For bonding of thermoplastic, metal, and composite

- Fast working time 4 - 6 mins
- Primerless adhesion to many metals, most thermoplastics, and composites
- Exceptional strength and elongation that allows for the bonding of dissimilar materials



### PLEXUS<sup>®</sup> Structural Adhesives

#### AO420

Two Part Methacrylate Adhesive

For bonding of thermoplastic, metal, and composite

- Short working time of 4 - 6 mins
- Easy to use 1:1 ratio
- Fast, consistent strength development at room temp
- High strength, stiffness and toughened
- Non-sag thixotropic dispensings



### PLEXUS<sup>®</sup> Structural Adhesives

#### MA300

Two Part Methacrylate Adhesive

For bonding of thermoplastic, metal, and composite

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



### PLEXUS<sup>®</sup> Structural Adhesives

#### 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
- Environmental resistance to salt spray and other environmental factors
- Excellent fatigue resistance, impact resistance, and toughness



See all available products at [chemical-concepts.com](http://chemical-concepts.com)

# 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 (including salt water) and humid areas
- Excellent bond to a wide range of plastics, composites and metals



## HUNTSMAN

### Araldite 2015-1

Two-component, room temperature 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 temperature curing, thixotropic paste adhesive

- Grey paste
- High temperature and chemical resistance
- Low shrinkage
- Very resistant to water and a variety of chemicals
- Gap filling, non-sagging up to 0.197 in (5 mm) thickness



## 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)
- Extremely tough and resilient
- Contains spacers to ensure a minimum bond line thickness of 0.05 mm



# PERMABOND ADHESIVES

## Permabond 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 Engineering Adhesives

### ET500

Two-part fast-setting epoxy adhesive

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



## Permabond 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 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

- Forms a 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. Will also bond styrene, butyrate and polycarbonate to themselves
- Working Time: 1-2 minutes
- Fixture Time: 3 minutes
- Shelf Life: 2 years



## WELD-ON

### SCIGRIP #16

Fast set solvent cement for acrylics

- Weld-On 16 is especially formulated to bond acrylic (poly-methyl methacrylate) plastic
- It can also be used for bonding styrene, butyrate, PVC, ABS and polycarbonate, as well as other plastics and porous surfaces
- Shelf Life: 2 years



## WELD-ON

### SCIGRIP #55/58

Two-component urethane adhesive

- VOC-free, two-component, fast-setting, reactive, urethane-based adhesive
- Excellent UV light resistance
- Working Time: 5-6 minutes
- Fixture Time: 1-2 hours
- Shelf Life: 1 year



See all available products at [chemical-concepts.com](http://chemical-concepts.com)

## 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
- Contains glass beads for consistent bond lines



### Chem-Set™

#### UltraLok 3121

Two-component acrylic adhesive

- High Strength
- Fast Setting and curing
- High Elongation
- High 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, and more
- 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
- Requires generally no preparation



## SPECIALTY ADHESIVES

### Chem-Set™

Cellular PVC Adhesive

#### 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 and PP
- Adhesion to a wide variety of substrates
- Full cure at room temperature
- Fast-set formula
- No primer required
- Good impact strength
- Good chemical resistance



### Chem-Set™

#### 412

Clear Electronic Potting Silicone

- Medium viscosity
- Low linear shrinkage
- Transparent
- 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

- High durometer
- Casting resin resistance
- Fast demold time
- Excellent dimensional stability
- Material complies with FDA indirect food contact regulation CFR177.2600



### CHT™ SMART CHEMISTRY WITH CHARACTER.

#### QSil 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.

#### QSil 214

Potting Silicone/ Encapsulant

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



See all available products at [chemical-concepts.com](http://chemical-concepts.com)

# ADHESIVE & 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
- Can be applied overhead with no sag



## Chem-Set™

### MS-35 Multi-purpose polyether adhesive and sealant

- Bonds to most substrates without priming
- Wide range of applications
- Ready to use, reduces labor costs
- Easier to match part contours
- Vibration damping
- Improved aesthetics
- Low dirt pick-up
- Speed and ease of application



## 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 many plastics
- Cures fast and remains flexible
- Exceptional resistance to weathering and temperature extremes
- USDA accepted



ULTRA CLEAR



## Sikaflex 221 High strength polyurethane adhesive/sealant

- Non-sag, low odor
  - Sandable and paintable
  - Non-corrosive
  - Can be overpainted
  - Can be sanded
  - Lower VOC's
- Available Colors: WHITE, GREY, BLACK, ALUMINUM



# SILICONE ADHESIVES

## Chem-Set™

### RTV 4500 General purpose one-component 100% RTV acetoxysilicone sealant

- High Strength
  - Excellent Weatherability
  - UV Stable
  - Non-Yellowing
  - VOC Compliant
- Available Colors: TRANSLUCENT, WHITE, TRANS-WHITE, CAMEO, BLACK AND MORE



### GP-101 General Purpose Acetoxysilicone Sealant

- One-component ready to use
- Excellent for dynamic joint movement & dissimilar materials, Joint movement ±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-Staining
- Non Yellowing
- Low Dirt



## SILCO INCORPORATED

### RTV 6500 RTV acetoxysilicone sealant and adhesive

- High temperature one component room temperature vulcanizing RTV acetoxysilicone sealant and adhesive
- Offers tenacious adhesion to form waterproof and airtight bonds to materials in high-temp scenarios
- Bonds metal, steel, tile, ceramic, glass, aluminum, painted surfaces, marble, stone, concrete and many other substrates



### 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).
- Fills small gaps and voids



### 335 Neutral Cure Silicone Sealant/Adhesive

- 100% Silicone Sealant
- High Performance, Excellent Adhesion
- Resistant to UV degradation and Weathering
- Mold and Mildew Resistant
- Adheres to porous surfaces unlike other 100% silicones



## ShinEtsu

### KE 44 Single component, room-temperature cure, self-leveling adhesive

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



## ShinEtsu

### 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



See all available products at [chemical-concepts.com](http://chemical-concepts.com)

# DISPENSERS & MIXING TIPS

<p><b>50 ML</b></p> <p><b>CCH50G</b></p>  <ul style="list-style-type: none"> <li>Easily converts to 1:1, 2:1, 4:1, 10:1 mix ratio</li> </ul>	<p><b>225 ML</b></p> <p><b>520 Gun</b></p>  <ul style="list-style-type: none"> <li>18:1 Thrust ratio</li> <li>Easily converts to 1:1, 2:1, 4:1 mix ratio</li> </ul>	<p><b>200/400 ML</b></p> <p><b>VR200XSP</b></p>  <ul style="list-style-type: none"> <li>26:1 Thrust ratio</li> </ul> <p><b>VR400XSP</b></p>  <ul style="list-style-type: none"> <li>26:1 Thrust ratio</li> </ul>	<p><b>375 ML</b></p> <p><b>535XSP</b></p>  <ul style="list-style-type: none"> <li>26:1 Thrust ratio</li> <li>Easily converts to 1:1, 2:1, 4:1 mix ratio</li> </ul>	<p><b>CX 404 ML</b></p> <p><b>CCM380</b></p>  <ul style="list-style-type: none"> <li>18:1 Thrust ratio</li> <li>Easily converts to 1:1, 2:1, 4:1, 10:1 mix ratio</li> </ul>
<p><b>400 ML</b></p> <p><b>DM2X 400</b></p>  <ul style="list-style-type: none"> <li>Exceptional Dispensing</li> <li>Flexibility</li> <li>Ergonomics and Design</li> </ul>	<p><b>250 ML</b></p> <p><b>Newborn Model 250</b></p>  <ul style="list-style-type: none"> <li>Super-high thrust</li> <li>18:1 thrust ratio</li> <li>Revolving barrel</li> </ul>	<p><b>400 ML</b></p> <p><b>DP2X 400</b></p>  <ul style="list-style-type: none"> <li>Extraordinary Precision</li> <li>Full Control</li> <li>Flexibility</li> </ul>	<p><b>50 ML</b></p> <p><b>COX 25 R50</b></p>  <ul style="list-style-type: none"> <li>Dedicated 1:1 mix ratio</li> <li>Square Cartridges</li> </ul>	<p><b>310ML</b></p> <p><b>COX 3 Combi</b></p>  <ul style="list-style-type: none"> <li>Variable speed regulator</li> <li>Glass reinforced nylon handle</li> </ul>
<p><b>TAH 190-620</b> Static Mixing Nozzle</p> 	<p><b>MCQ 08-24T</b> Static Mixing Nozzle</p> 	<p><b>TAH 160-824</b> Static Mixing Nozzle</p> 	<p><b>CON-MBQ-05-16L</b> Static Mixing Nozzle</p> 	<p><b>MFHX 08-18T</b> Static Mixing Nozzle</p> 
<p><b>RIT16336-0242</b> Static Mixing Nozzle</p> 	<p><b>RIT13600-3102</b> Static Mixing Nozzle</p> 	<p><b>CON-MFQX-08-24T</b> Static Mixing Nozzle</p> 	<p><b>MFHX-10-18T</b> Static Mixing Nozzle</p> 	<p><b>FISD04</b> Silicone/Sealant Nozzle</p> 
<p><b>MAQ 05-24L</b> Static Mixing Nozzle</p> 	<p><b>MFH-08-24T</b> Static Mixing Nozzle</p> 	<p><b>TAH160-840</b> Static Mixing Nozzle</p> 	<p><b>TAH160-830</b> Static Mixing Nozzle</p> 	<p><b>CON-MGQ-08-24T</b> Static Mixing Nozzle</p> 

# HOT MELTS & HOT MELT GUNS

<p><b>220 Watts</b></p> <p><b>CCH220</b></p> <ul style="list-style-type: none"> <li>Adjustable High Temp 285°F - 428°F (140°C - 220°C)</li> </ul> 	<p><b>60 Watts</b></p> <p><b>HYB120</b></p> <ul style="list-style-type: none"> <li>Allows up to 1hr continuous cordless operating time</li> <li>Provides versatility to go anywhere</li> </ul> 	<p><b>100 Watts</b></p> <p><b>PRO2-100</b></p> <ul style="list-style-type: none"> <li>Use 1/2" or 7/16" glue stick diameter</li> <li>Lighted on/off switch</li> </ul> 	<p><b>500 Watts</b></p> <p><b>PRO2-500</b></p> <ul style="list-style-type: none"> <li>Interchangeable nozzle</li> <li>Lightweight and durable body</li> <li>Lighted On/Off power switch</li> </ul> 	<p><b>450, 500, 600 Watts</b></p> <p><b>MGG800</b></p> <ul style="list-style-type: none"> <li>Stable base, rubber trigger grip</li> <li>On/Off lighted switch and LED "Ready" light.</li> </ul> 
<p><b>HM612</b> Metal bonding; high strength</p> 	<p><b>735R</b> High Performance Hot Melt</p> 	<p><b>725</b> General Purpose Hot Melt</p> 	<p><b>601</b> Low Temperature Hot Melt</p> 	<p><b>862</b> General Purpose Hot Melt</p> 

See all available products at [chemical-concepts.com](http://chemical-concepts.com)

# 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 such as polyacetals
- Good gap fill ability
- Instant setting



## Permabond Engineering Adhesives

### 737

Toughened cyanoacrylate with improved impact and peel strength for maximum flexibility

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



## Permabond Engineering Adhesives

### 910

Single part, low viscosity liquid adhesive

- Excellent adhesion to metal surfaces
- Fast cure
- 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 material
- 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 Adhesive Systems, Inc.

### 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
- Good for bonding most substrates



## ASI Adhesive Systems, Inc.

### RP 5

Bonds a wide variety of similar or dissimilar materials

- Designed to bond a wide variety of similar or dissimilar materials
- Versatile
- Good climatic, thermal, and impact resistance
- Handling strength in 5 to 10 seconds



## Pacer ac marca 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



See all available products at [chemical-concepts.com](http://chemical-concepts.com)

# 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
- Very high strength
- 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
- ENo loose particles to clog valves
- Approved 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
- Non-drip
- 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

Specifically for bonding high pressure laminates to various substrates

- Flatwork Applications (non-postforming)
- Self-Contained Portable Spray System
- Aggressive Grab Tack
- Quick Dry Time
- Long Open Time
- High Green Strength



## 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
- OTC States Compliant
- SCAQMD Compliant—Rule 1168



## Tensorgrip® P329

High Build Pressure Sensitive Adhesive

- Single Sided Application
- High Build Web Spray
- HAPS Free
- High Strength, long-term bond
- 100% Adhesive Transfer to Substrate
- Fully Portable
- No ODS (ozone depleting substances)



## Tensorgrip® P321

Polystyrene Foam Contact Adhesive

- Will not attack polystyrene
- Fast tack
- Water resistant
- No chlorinated solvents
- Permanent contact adhesive bond
- 80% of final strength achieved immediately
- Full strength achieved in 24 hours



See all available products at [chemical-concepts.com](http://chemical-concepts.com)



# SPECIALTY FASTENERS

## Chem-Set™

### M1-Male Threaded Bolt Studs



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



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

## Chem-Set™

### F1-Hex Nuts

**F1-T38**  
(38MM / 1.5")  
RECTANGLE



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



## Chem-Set™

### F2-Female Collar

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



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



## Chem-Set™

### Bonding Fasteners with VHB Pre-applied

Bonding fasteners with die cut high bond tape 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 Anchoring System

HOLDS UP TO 560 LBS

REPLACES GLUE-ON FASTENERS!



A revolutionary insert used in place of glue on fasteners. Each 1/4" long insert holds up to 560lbs and needs **NO GLUE!**

## 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™

### Flower-Nut

Fasten in blind holes

- Won't distort materials
- Can accommodate slightly oversized holes
- Can be installed in uneven surfaces/materials
- Fast and easy to use



## 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

- 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
- 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 round 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
- Can be installed into a round section with a wide internal size tolerance range



# ABRASIVES

## Chem-Set™

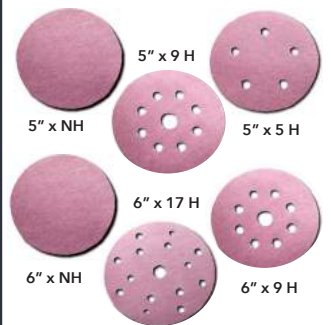
### 11" Orbital Sander with Drive Pad

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

11" PSA and H&L



## Stia Abrasives 5 & 6" PSA and H&L



OTHER HOLE PATTERNS AVAILABLE

See all available products at [chemical-concepts.com](http://chemical-concepts.com)

## TESA SIGN AND DISPLAY TAPES

**tesa®**

**7054 ACXplus** **VHB TAPE** **27 YD ROLLS**

For optically clear bonding

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

**20 mil (.020")**



**tesa®**

**7055 ACXplus** **VHB TAPE** **27 YD ROLLS**

For optically clear bonding

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

**40 mil (.040")**



**tesa®**

**7063 ACXplus** **VHB TAPE** **27 YD ROLLS**

For hard-to-bond substrates

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

**32 mil (.032")**



**tesa®**

**7065 ACXplus** **VHB TAPE** **27 YD ROLLS**

For hard-to-bond substrates

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

**47 mil (.047")**



## TESA SPECIALTY TAPES

**tesa®**

**7074 Black Acrylic 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)

**Can be Powder-Coated**



**tesa®**

**4334 Precision Mask Masking tape**

- Yellow general purpose masking tape
- Razor sharp paint edges
- Easily removable up to 5 months after application

Available sizes: 1" & 2"

**3.5 mil**



**tesa®**

**53120 General Purpose Masking tape**

- Creped paper 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"



**tesa®**

**50600 Powder-Coating Masking tape**

- 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"

**3 mil**



## FILMIC TAPES AND PRIMERS

**tesa®**

**61010 Transparent double-sided tape** **55YD ROLLS**

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

**8 mil (.008")**



**tesa®**

**4970 Banner tape** **60YD ROLLS**

- White PVC-film acrylic tape
- High Strength
- Durable
- High temp resistance: 392°F (20 min); 212°F (long term)

**10 mil (.01")**



**tesa®**

**60150 Adhesion Promoter**

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



**tesa®**

**60151 Adhesion Promoter**

- Specifically developed to ensure permanent bonding and moisture resistance on glass substrates
- Significantly improves the bonding strength of tesa® ACXplus tapes
- The shelf life of this product amounts to at least 12 months



See all available products at [chemical-concepts.com](http://chemical-concepts.com)

## DIRECT FOAM TAPES

**Chem-Set™**

**VST 6120**

High Bond Tape

36YD ROLLS

- High Tensile Strength
- Very High Bond Adhesion
- Moisture/solvent resistant with outstanding weathering properties
- Shock, vibration and noise damping properties
- White or Grey

47 mil (.047")



Compare to **3M-RP45**

**Chem-Set™**

**VST 6364**

Foam Acrylic Tape

36YD ROLLS

- High Tensile Strength
- Very High Bond Adhesion
- Moisture and solvent resistant
- Shock, vibration and noise damping properties
- Creates a permanent seal across entire surface

25 mil (.025")



Compare to **3M-RP23**

**Chem-Set™**

**VST 6110**

High Performance  
General Purpose Tape

36YD ROLLS

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

32 mil (.032")



Compare to **3M-RP32**

**Chem-Set™**

**VST 6160**

High Performance  
General Purpose Tape

36YD ROLLS

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

62 mil (.062")



Compare to **3M-RP62**

## TRANSPARENT TAPES

**Chem-Set™**

**VST 6100C**

Clear High Bond Tape

36YD ROLLS

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

40 mil (.040")



Compare to **3M-4910**

**Chem-Set™**

**VST 3050C**

Transparent Direct Foam

36YD ROLLS

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

20 mil (.020")



Compare to **3M-4905**

**Chem-Set™**

**VST 3025C**

Ultra-Thin  
Transparent Tape

60YD ROLLS

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

10 mil (.010")



Compare to **3M-F9473PC**

**Chem-Set™**

**VST 6150C**  
Clear Transparent Industrial Tape

36YD ROLLS

- Advantages of the series include vibration dampening
- Very good sealing properties and resistance to weathering, aging, yellowing (UV influence), chemicals, plasticizers, and excellent long term stability

60 mil (.060")



Compare to **3M-4915**

## SPECIALTY TAPES

**Chem-Set™**

**VST LSE TAPES**

Double coated  
High conformable  
acrylic foam tape

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



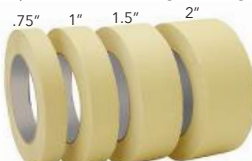
**Chem-Set™**

**P217**

General Purpose  
Masking Tape

60YD ROLLS

- Med-high adhesion for general purpose packaging, bundling, holding, splicing and tabbing tape
- Excellent adhesion and quick stick to metal, vinyl, glass, rubber and plastic
- Conforms to irregular surfaces and shapes without tearing or lifting



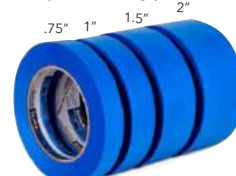
**Chem-Set™**

**P621**

Blue PaintersTape

60YD ROLLS

- Ideal for painted walls, trim, glass, woodwork, metal and a wide variety of other applications
- 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  
FoamTape

36YD ROLLS

1/16", 1/32" Thick

- 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



See all available products at [chemical-concepts.com](http://chemical-concepts.com)



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**Please contact us with any additional questions.  
We are happy to help!**

**How to contact us:**

**Chemical Concepts**

Email: [sales@chemical-concepts.com](mailto:sales@chemical-concepts.com)

Office: 800.220.1966

[www.chemical-concepts.com](http://www.chemical-concepts.com)

