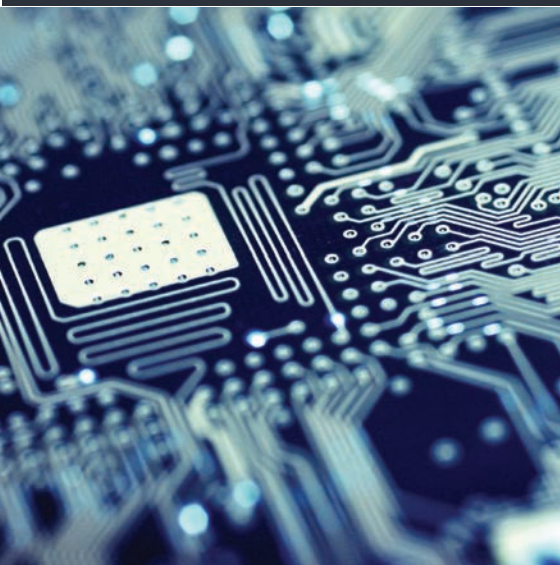




WE SELL THE
**COMPLETE
PACKAGE** FOR
YOUR INDUSTRIAL
& STRUCTURAL
ADHESIVE NEEDS

- Abrasives
- Adhesives
- Dispensing Guns
- Sealants
- Silicones

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

Order online at www.chemical-concepts.com 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 Our products will never be out of date or improperly stored.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

- The advantages of using adhesives
 - Ability to bond different materials together: metals and plastics
 - 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 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



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 Urethane Adhesive

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

Mill Spec—MIL-1-24456

See our complete line of Lord Products @ Chemical-concepts.com

Lord® Structural Adhesives

LORD®



Urethanes

LORD® 7542+ and 7545+

Two Part Urethane Adhesive

- HDU • PVC • Wood • Fiberglass
- 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

See our complete line of Lord Products @ Chemical-concepts.com

Lord® Structural Adhesives

LORD®



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



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



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

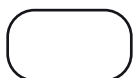


Adhesives/Sealants



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**

Chem-set™ Structural Adhesives



Urethanes



25ml



50ml



400ml



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



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

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
- Direct 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

ShinEtsu

Shin-etsu Silicones

Diffuser

- Adhesive Sealant
- Moldable Silicone Resin

Optics

- Moldable Silicone Resin
- Adhesive

Reflector

- Reflector Material

LED Chip

- Optical Encapsulant
- Die Bond

PCB

- Conformal Coating

Heat Sink

- Thermal Interface Material
- Adhesive Sealant

Driver

- Conformal Coating

Base

- Adhesive Sealant
- Thermally Conductive Encapsulant

LED Applications

- Interior & Exterior Illumination
- Signs & Billboards
- Automotive & Transportation Lighting
- Backlighting for TV, PC, and Phone Displays
- Flexible Rope Lighting

LED Die Assembly

- Substrate Ex. Silicon substrate
- Die Bond Material
- LED Chip
- Encapsulate Material
- Thermal Interface Material
- Reflector Material

Moisture Proof Coating (Electrodes & Substrate)

- Encapsulants
- Thermal Interface Material (RTV • Grease • Sheet)

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

QSIL 553



- Electric 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



Mold Making



Quantum Silicones



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

Mold Making

ShinEtsu

Shin-etsu



KE 1300ST

- High temperature 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)

- High temperature 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

- High temperature 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



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



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

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

Cyanoacrylates

PACER[®] 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

Anaerobics

PACER[®]
INDUSTRIAL

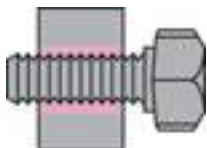
Pacer



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

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

See our complete line of Pacer Products @ 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
- Post form grade • Brush, Roller or spray
- Neoprene rubber based • Available in pails and drums
- Bonds plastic laminates, metals, foams, wood, automotive vinyl



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 and wood

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

Aerosols / Contact Adhesive / PSA



Quality



Q6000 High Solid Solvent

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



Q5200 High Temp Strength Solvent

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



Q8200 Adhesive Remover/Gun & Hose Cleaner

- Economy spray gun
- Spray tips Vary

See our complete line of Quality Products @ Chemical-concepts.com



Aerosols / Contact Adhesive / PSA



ITW



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.

See our complete line of ITW Products @ Chemical-concepts.com

Spray Equipment

BINKS®

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

Tapes



Tesa



tesa® 61010 8 mil

- Interior mounting • Compare to 3M 9473Isotac
 • Transparent PET filmic tape • Great for laminating composite sheets



tesa® 4970 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 • Heat activated structural tape
- Excellent chemical resistance
- Bonds remain flexible and elastic

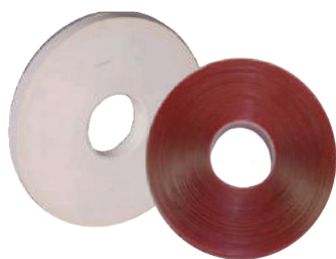
See our complete line of tesa tapes @ Chemical-concepts.com



Tapes

Chem-Set™

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 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

Sanders, Abrasives and Pads

USING A 6" DA (DUAL ACTION) SANDER?

*You should try our Chem-Set™ 11" Electric Orbital Sander.
It will cut your labor costs as much as 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

Features

- Heavy-duty ball bearing capacitor motor
- No gears to grind or strip out
- No armature winding to burn out
- No carbon brushes to burn out
- Exclusive removal shaft system
- Sands, polishes and finishes

SPECIFICATIONS

Specifications

Weight18 lbs.
Overall height10in.
Amps..... 2.3@110v, 1.2@220v
RPM1,77@11v
Moto 110v/220v
Housing.....heavy-duty aluminum

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



Sanders, Abrasives and 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 metals for a blurr-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



Package
contains
6 pads

See our complete line of Sia Products @ Chemical-concepts.com

Hot Melt Adhesive

Chem-Set™

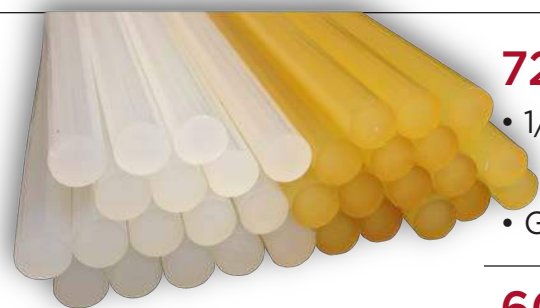
Hot Melt Adhesives

Hot Melt 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% bond strength in one minute, 75% in one hour and 100% in twenty four hours. Liquid hot melts can reach temperatures of 400 F.

735R10

- 1/2" x 10" & 5/8" x 2"
- Amber
- Higher strength, hot melt, good for metals, ceramics, coated papers, non-porous, materials.



725R10

- 1/2" x 10" & 5/8" x 2"
- Translucent
- General Purpose for porous and nonporous materials

601 R10

- 1/2" x 10" low temp hot melt (250° F)
- Bonds to most porous materials
- Fast set time with excellent hot tack
- Great for Packaging



*Other formulations available -
 Call for information
 Warning: Contact with skin
 can cause severe burns*

HM612 Hot Melt Adhesive

- Bonds to metal
- For use with CCH220 Gun
- Fullcure in 5 minutes
- One stick covers 4 linear feet
- Newest technology in hot melts using acrylic resins for stronger bonds

See our complete line of Chem-set™ Hot Melt Products @ 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 fits inside caulk gun*

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

** 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



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

Container Size: 4oz stick

- 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

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.

Bonding Fasteners

Chem-Set™ No Drill™ Bonding Fasteners

No drilling or welding!
Mounts on surface using structural adhesives

Available in stainless steel, aluminum, or zinc plates



Chem-Set™

No Drill™ Bonding Fasteners to replace rivets, tapes, and welds.

- Bonds with metals, plastics, wood composites, stones
- Available in zinc plated, yellow chromate, steel, and stainless steel
- No drilling or taping
- See reference materials in back for exact measurements



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

Please see the following pages for available sizes and dimensions or visit our website. Call 800.220.1966 to speak to a sales representative or visit our website chemical-concepts.com for pricing and more information.

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



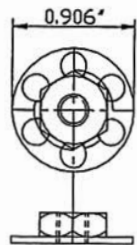
Bonding Fasteners

TYPE F1 HEX NUTS

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

Available in both imperial and metric threads.

Type: F1-B23



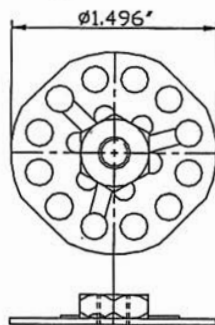
F1-B23 (23MM / 0.90") ROUND

THREAD SIZE

1/4 UNC

5/16 UNC

Type: F1-B38



F1-B38 (38MM / 1.5") ROUND

THREAD SIZE

1/2 UNC

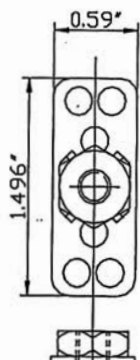
1/4 UNC

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

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 in a variety of lengths.

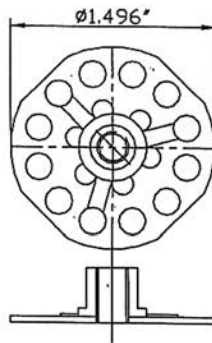
Type: F2-B23



F2-B23 (23MM / 0.90") ROUND

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

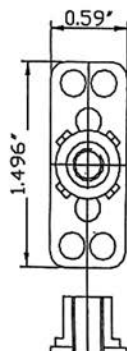
Type: F2-B38



F2-B38 (38MM / 1.5") ROUND

THREAD SIZE	LENGTH
1/4 UNC	.375" .5" .75" 1"
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

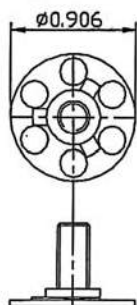
Bonding Fasteners

TYPE M1 MALE BOLT STUDS

M1 - Male Threaded Bolt Studs mounted on a variety of Rotaloc perforated baseplates. Available in both imperial and metric threads in a variety of lengths.



Type: M1-B23



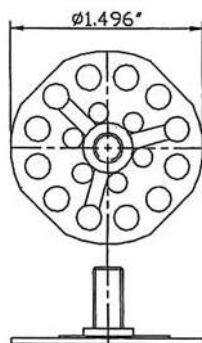
Available in plated steel and stainless steel
(plating meets European standards)

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

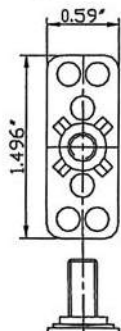


M1-B38 (38MM / 1.5") ROUND

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"			



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