

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[®]

FAST-CON[®]

Metal snap fastening system

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



Chem-SetTM

VST Low Temperature Tapes

General purpose and double coated

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



Chem-SetTM

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



WELD-ON[®]

Weld-On 30

Two-component, low VOC, reactive structural adhesive

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



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 2053

5 & 15 Minute Acrylic Adhesive

- 10:1 structural metal bonder
- Economical, workhorse adhesive
- 50% elongation for tough, durable bonds



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[®]

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[®]

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[®]

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



Chem-SetTM

UltraLok 1000

Two-part clear acrylic adhesive

- Clear, non-yellowing adhesive
- Working time of 4 to 7 minutes
- Bonds metals, plastics and dissimilar materials
- Superior toughness and durability than other adhesives



See all available products at chemical-concepts.com

METAL BONDING

LORD Signlok Series

For bonding metals and engineered plastics

- Conveniently packaged in (225 mL) cartridges
- Replace welding, riveting and other mechanical fasteners
- UL Approved
- Right-size packaging fits most jobs and eliminates waste
- 90% full cure within one hour
- Available in a range of work times



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 Signlok 810

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)



WELDON ADHESIVES

WELDON

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



WELDON

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



WELDON

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



WELDON

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

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



PLEXUS ADHESIVES

PLEXUS® 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® 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® 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® 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



SPECIALTY ADHESIVES

Chem-Set™

Cellular PVC Adhesive

TrimGrip

Industrial Structural Adhesive Bonding System

- 5-8 minute working time
- Cures in 30 min



Model 250 Gun

- Patented adhesive technology.
- No special equipment needed, use standard caulking gun.



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



See all available products at 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

.75" 1" 1.5" 2"



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

.75" 1" 1.5" 2"



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

TESA SIGN AND DISPLAY TAPES

tesa®

7054 ACXplus **27 YD ROLLS**

For optically clear bonding

VHB TAPE

- 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 **27 YD ROLLS**

For optically clear bonding

VHB TAPE

- 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 **27 YD ROLLS**

For hard-to-bond substrates

VHB TAPE

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

32 mil (.032")



tesa®

7065 ACXplus **27 YD ROLLS**

For hard-to-bond substrates

VHB TAPE

- 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 **55 YD ROLLS**

Transparent double-sided tape

- 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 **60 YD ROLLS**

Banner tape

- 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

ADHESIVES & SEALANTS



BoaBond Advanced hybrid adhesive

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



SILICONES, CAULKS AND ANCHORING 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



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



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



AnchorFix-2

Used for rebar threaded rods and bolts

- Great for stud mounting in concrete and masonry base materials
- Material is fast curing, possesses high load capacity, is non-sag and low odor
- Comes with 2 static mixers per cartridge



BONDING FASTENERS

Chem-Set™

M1-Male Threaded Bolt Studs

M1-B23
(38MM / 1.5")
ROUND



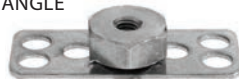
M1-B38
(38MM / 1.5")
ROUND



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™

M1-T38 Male Threaded Bolt Studs (rectangle)

(38MMX15MM/ 1.5"X.59") RECTANGLE



F1-T38 Female Hex Nut (rectangle)

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



F2-T38 Female Hex Nut (rectangle)

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



See all available products at chemical-concepts.com

SPECIALTY FASTENERS

Chem-Set™
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™
 FASTENING SYSTEMS

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™
 FASTENING SYSTEMS

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




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



DISPENSERS & MIXING TIPS

50 ML


CCH50G



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

225 ML

520 Gun



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

200/400 ML

VR200XSP

- 26:1 Thrust ratio

VR400XSP

- 26:1 Thrust ratio



375 ML

535XSP



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

CX 404 ML

CCM380



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

TAH 190-620

Static Mixing Nozzle



MCQ 08-24T

Static Mixing Nozzle



TAH 160-824

Static Mixing Nozzle



CON-MBQ-05-16L

Static Mixing Nozzle



MFHX 08-18T

Static Mixing Nozzle



RIT16336-0242

Static Mixing Nozzle



RIT13600-3102

Static Mixing Nozzle



CON-MFQX-08-24T

Static Mixing Nozzle



MFHX-10-18T

Static Mixing Nozzle



FISD04

Silicone/Sealant Nozzle



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!



Sia™
 ABRASIVES

5" PSA and H&L



OTHER HOLE PATTERNS AVAILABLE

Sia™
 ABRASIVES

6" PSA and H&L



OTHER HOLE PATTERNS AVAILABLE

11" PSA and H&L



40-2000 Grit



See all available products at chemical-concepts.com



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

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