**NEW Products**

**LORD**

**Signlok 810**
Low Read-Through Acrylic Adhesive with LORD Accelerator 20
- For aluminum composite (Dibond, Alucobond)
- No warping caused by other glues

**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)

**Chem-Set**

**KEEPS-NUT**
Anchoring System CCH-KEEPNUT
- A revolutionary insert used in place of glue on fasteners. Each 1/4” long insert holds up to 560lbs and needs NO GLUE!

**LORD**

**Signlok 403 & 406**
- A two-component metal bonding adhesive
- New, convenient packaging

**Chem-Set™**

**Ask Us How™**

**KEEP-NUT**
- Anchoring System

**Channel Letter Assembly Kit**

**Step 1:**
Cut and bend sheet metal into shape.

**Step 2:**
Use HM612 Hot Melt to tack weld the sheet metal.

**Step 3:**
Use LORD Maxlok or 406/19 around the seams to permanently seal/adhere.

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**HM612**
Hot Melt Adhesive
- Use HM612 hotmelt as a clamp or tack down device to form letter.
  - 1/2”x10”
  - $10.05/lb.
  - 5lb boxes
  - 22lb case
  - $100.00 each

**CCH220**
Hot Melt Gun
- 220 Watts of Power
- For use with 1/2’ diameter sticks
- Complete with stand, on/off switch and adjustable thermostat

**LOD**
Two Part Acrylic Adhesives
- For bonding metals and plastics.
- **LORD 406/19, Signlok Series or Maxlok (T3, 6, 18)**
  - Little to no surface prep

**CCH50G**
- 50ml
- Easy to use:
  - 406/19 $17.05
  - 406/19 $42.04
  - Maxlok $18.41
  - Maxlok $57.43
  - 50 mil
  - 375 mil
  - 50 mil
  - 375 mil

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See all available products at chemical-concepts.com

Chemical Concepts, 410 Pike Road, Huntingdon Valley, PA 19006
Made in USA
Adhesive Selection

Use the chart below to choose the proper adhesive for sign bonding applications. For more detailed information on these adhesives and surface preparation, call the LORD Customer Support Center.

<table>
<thead>
<tr>
<th>Surface</th>
<th>Contact Preparation</th>
<th>Surface Preparation</th>
<th>Adhesive</th>
<th>Field Form</th>
<th>Shelf Life</th>
<th>Process Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wood</td>
<td>320/322 †</td>
<td>Wipe with clean dry cloth</td>
<td>Signlok 4xx/19</td>
<td>7650</td>
<td>300°F</td>
<td>72°F, 10% RH, 24 hrs.</td>
</tr>
<tr>
<td>Plastic</td>
<td>LORD AP-134</td>
<td>Blow off surface with clean air jet</td>
<td>LORD 7542*</td>
<td>7610DTM</td>
<td>300°F</td>
<td>72°F, 10% RH, 24 hrs.</td>
</tr>
<tr>
<td>Metal</td>
<td>Scuff with scuff pad or 120-grit paper</td>
<td>Scuff with scuff pad or 120-grit paper</td>
<td>LORD 7610DTM</td>
<td>7650</td>
<td>300°F</td>
<td>72°F, 10% RH, 24 hrs.</td>
</tr>
<tr>
<td>Glass</td>
<td>Wipe with Scotch-Brite</td>
<td>Blow off surface with clean air jet</td>
<td>Signlok 810</td>
<td>7610DTM</td>
<td>300°F</td>
<td>72°F, 10% RH, 24 hrs.</td>
</tr>
<tr>
<td>Ceramic</td>
<td>Wipe with clean dry cloth</td>
<td>Wipe with clean dry cloth</td>
<td>Signlok 4xx</td>
<td>7650</td>
<td>300°F</td>
<td>72°F, 10% RH, 24 hrs.</td>
</tr>
</tbody>
</table>

Values stated herein represent typical values as not all tests are run on each list of material produced. For formalized product specifications or specific product end-use, contact the Customer Support Center.
### 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

- **$17.05**
- **$42.04**
- **$49.21**

**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

- **$12.35** each

**LORD Signlok Series**
For bonding metals and engineered plastics.
- Conveniently packaged in (225 mL) cartridges
- Glass beads
- 2:1 Ratio

- **$28.57**
- **$32.86**

**LORD Maxlok Series**
Replaces welding, brazing, riveting and other mechanical fastening methods.
- Glass beads
- Matte gray finish
- 4:1 ratio

- **$18.05**
- **$56.30**

### Plastic Bonding

**LORD 7550 A/C**
Two Part Urethane Adhesive
Great for Trim Cap.
- HDU (Sign Foam)
- PVC
- Wood
- Fiberglass
- Painted Metal
- Polycarbonate
- UV resistant

- **$24.56**
- **$15.10**

**LORD 7542A/B**
Two Part Urethane Adhesive
For use when bonding composites and dissimilar substrates.
- HDU (Sign Foam)
- PVC
- Wood
- Fiberglass
- Painted Metal
- Polycarbonate

- **$22.38**
- **$41.72**

**LORD 7545A/E**
Two Part Urethane Adhesive
For use when bonding composites and dissimilar substrates.
- HDU (Sign Foam)
- PVC
- Wood
- Fiberglass
- Painted Metal
- Polycarbonate

- **$22.38**
- **$54.31**

### Dissimilar Substrate Bonding

**LORD 310 A/B**
Two Part Epoxy Adhesive
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

- **$14.79**
- **$46.72**

**Chem-Set CCA6105**
Two Part Polyolefin Bonder
- Bond untreated polyolefin surfaces
- No pre-treatment before bonding
- 1:1 mix ratio

- **(1-11) $14.79**
- **$31.62**
- **(12+) $28.75**

**Chem-Set 633**
5 Minute Epoxy Adhesive
Used For Natural Stone.
- High Viscosity
- Bonds to stone and wood
- Gap-filling to .250 inches
- Good solvent resistance
- 100% reactive, no solvents
- Non-drip

- **$4.57**
- **$9.42**

**Chem-Set 605**
Quick Set Acrylic Adhesive
Used For Engineered Stone.
- High Viscosity
- Bonds to non-porous
- Solid Surface
- Engineered Stone
- Metals
- PVC
- Acrylics
- Non-drip

- **$6.84**
- **$10.37**

See all available products at chemical-concepts.com

Order online at www.chemical-concepts.com or call 1.800.220.1966
**LED POTTING & ENCAPSULATING ADHESIVES**

- **Chem-Set**
  - 412 Clear Electronic Potting Silicone
    - Low Viscosity
    - Self Leveling
    - 40 Durometers
  - 033 Clear Silicone Gel
    - Tough 45 Durometers
    - Provides protection from vibration
  - 355 Potting Silicone
    - Flame retardant
    - Designed for electronic potting applications
    - Thermally conductive
    - Readily repairable
  - 04 Potting Silicone
    - Designed for electronic potting applications
    - Flame retardant
    - Thermally conductive
    - Readily repairable

**OPTICALLY CLEAR**

- 412 Clear Electronic Potting Silicone: $16.32 for 50 ml, $52.80 for 300 ml
- 355 Potting Silicone: $16.32 for 50 ml, $52.80 for 300 ml
- 04 Potting Silicone: $16.32 for 50 ml, $52.80 for 300 ml

**OPTICALLY CLEAR**

- 033 Clear Silicone Gel: $16.32 for 50 ml, $52.80 for 300 ml

**BLACK**

- AnchorFix-2
  - Used for rebar threaded rods and bolts
  - Great for stud mounting in concrete and masonry base materials.

**WHITE**

- AnchorFix-2

- **LED POTTING & ENCAPSULATING ADHESIVES**

**ONE COMPONENT ADHESIVES & SILICONE**

- **%100 SILICONE**
  - **Chem-Set**
    - RTV 4500
      - General purpose one-component 100% RTV acetoxy silicone sealant.
      - Available Colors: TRANSLUCENT, WHITE, TRAN-WHITE, CAMEO, BLACK AND MORE
  - **Chem-Set**
    - MS35 White High Strength adhesive/sealant
      - Hybrid Silicone
      - 2-3x the strength
      - Paintable
      - Weather resistant
  - **Chem-Set**
    - 75AM Ultra Clear High Strength adhesive/sealant
      - Hybrid Silicone
      - Non-sag, low odor
      - Sandable and paintable
      - Available Colors: WHITE, GREY, BLACK, ALUMINUM

**CONSTRUCTION ADHESIVE**

- **Sika**
  - Sikaflex 221
    - High strength polyurethane adhesive/sealant
    - Non-sag, low odor
    - Sandable and paintable
    - Available Colors: TRANSLUCENT, WHITE, TRANS-WHITE, CAMEO, BLACK AND MORE

**ANCHORING ADHESIVE**

- **AnchorFix-2**
  - Used for rebar threaded rods and bolts

**BONDING FASTENERS**

- **Chem-Set**
  - M1-Male Threaded Bolt Studs (round)
    - M1-B23 (38MM / 1.5") ROUND
    - M1-B38 (38MM / 1.5") ROUND
    - Available in plated steel and stainless steel
    - RANGE $.40-.80
    - See website for all thread size and length.

- **Chem-Set**
  - F1-Hex Nuts
    - F1-T38 (38MM / 1.5") RECTANGLE
      - THREAD Size LENGTH
      - 1/4 UNC: .25", 5/16 UNF: 10/32
    - F1-B38 (38MM / 1.5") ROUND
      - Available in plated steel and stainless steel
      - RANGE $.40-.80
      - See website for all thread size and length.

- **Chem-Set**
  - F2-Female Collar
    - F2-B23 (23MM / 0.90") ROUND
      - THREAD Size LENGTH
      - 1/4 UNC: .25", 5/16 UNF: 10/32
    - F2-B38 (38MM / 1.5") ROUND
      - Available in plated steel and stainless steel
      - RANGE $.40-.80
      - See website for all thread size and length.

- **Chem-Set**
  - M1-T38 Male Threaded Bolt Studs (rectangle)
    - M1-B23 (38MMX13MM / 1.5"X0.5") RECTANGLE
    - M1-B38 (38MMX13MM / 1.5"X0.5") ROUND
    - Available in plated steel and stainless steel
    - RANGE $.40-.80
    - See website for all thread size and length.

- **Chem-Set**
  - F1-T38 Female Hex Nut (rectangle)
    - F1-T38 (38MMX15MM / 1.5"X0.6") RECTANGLE
    - Available in plated steel and stainless steel
    - RANGE $.40-.80
    - See website for all thread size and length.

- **Chem-Set**
  - F2-T38 Female Hex Nut (rectangle)
    - F2-T38 (38MMX15MM / 1.5"X0.6") RECTANGLE
    - Available in plated steel and stainless steel
    - RANGE $.40-.80
    - See website for all thread size and length.

See all available products at chemical-concepts.com
**ABRASIVES**

- **11” Orbital Sander with Drive Pad**
  - Sands much larger area
  - Polishes and finishes better than the human hand!
  - Saves time and labor!
  - $375.00 ea.

**Chem-Set™**

- **Double Coated Foam Tape**
  - 1/16”, 1/32” Thick
  - Used for mounting and joining nameplates, signs, small die cast parts, mirrors, maps, etc
  - $11.86 ea. @ 3/4”
  - $13.88 ea. @ 1”
  - $22.08 ea. @ 2”

**tesa®**

- **61010 Interior Mounting**
  - 55 YD ROLLS
  - 8 mil (.008”)
  - $9.37 ea. @ 1/4”
  - $19.29 ea. @ 1/2”
  - $32.00 ea. @ 3/4”
  - $40.18 ea. @ 1”

**Chem-Set™**

- **P621 Blue Painters Tape**
  - 50 YD ROLLS
  - 10 mil (.01”)
  - $23.37 ea. @ 1”
  - $38.25 ea. @ 1 1/2”
  - $50.34 ea. @ 2”

See all available products at chemical-concepts.com
**Panel & Letter Mounting Tapes**

<table>
<thead>
<tr>
<th>Tapes</th>
<th>Description</th>
<th>Widths</th>
<th>Prices (ea.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7054 ACXplus</td>
<td>For optically clear bonding.</td>
<td>30-50</td>
<td>$6.68 @ 1/4”</td>
</tr>
<tr>
<td>7055 ACXplus</td>
<td>For optically clear bonding.</td>
<td>30-50</td>
<td>$12.26 @ 1/4”</td>
</tr>
<tr>
<td>7063 ACXplus</td>
<td>For hard-to-bond substrates.</td>
<td>40</td>
<td>$7.51 @ 1/4”</td>
</tr>
<tr>
<td>7065 ACXplus</td>
<td>For hard-to-bond substrates.</td>
<td>40</td>
<td>$9.46 @ 1/4”</td>
</tr>
<tr>
<td>3025 Chem-Set VST Tapes</td>
<td>Clear</td>
<td>10</td>
<td>$28.46 @ 1/2”</td>
</tr>
<tr>
<td>3050 Chem-Set VST Tapes</td>
<td>Clear</td>
<td>20</td>
<td>$24.40 @ 1/2”</td>
</tr>
<tr>
<td>6100 Chem-Set VST Tapes</td>
<td>Clear</td>
<td>40</td>
<td>$33.93 @ 1/2”</td>
</tr>
<tr>
<td>36 YD ROLLS</td>
<td>6120 Chem-Set VST Tapes</td>
<td>47</td>
<td>$26.95 @ 1/2”</td>
</tr>
</tbody>
</table>

**Masking Tapes**

<table>
<thead>
<tr>
<th>Tapes</th>
<th>Description</th>
<th>Widths</th>
<th>Prices (ea.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4334 Precision Mask</td>
<td>Yellow general purpose masking tape</td>
<td>3.5</td>
<td>$4.26 @ 1”</td>
</tr>
<tr>
<td>53120 General Purpose Masking tape</td>
<td>Creped paper masking tape</td>
<td>5.2</td>
<td>$1.62 @ 3/4”</td>
</tr>
<tr>
<td>50600 Powder-Coating Masking tape</td>
<td>Green, masking tape for powder coating</td>
<td>3</td>
<td>$9.38 @ 1”</td>
</tr>
</tbody>
</table>

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