M-1 Universal Adhesive/Sealant

• Polyether technology—Construction Power!
• High Performance under field conditions
• Versatile—works just about everywhere

Universal, all purpose: An indispensable tool

M-1 can perform as both an adhesive and a sealant. It adheres to a wide range of construction materials including:

- PVC, STORM, mast metals, wood, glass, masonry, concrete, flexible and solvent-resistant foams. It is a work in almost any situation requiring a barrier. M-1 delivers high strength and bonds to virtually all cover—up to 525% elongation, so it also performs as a structural adhesive.

- Because it is a polyether, M-1 delivers many features useful to building contractors and roofers:
  - Non-shrinking—many adhesives and sealants lose 40% volume due to evaporation
  - No solvents – non-toxic – no odor – no risk to human health
  - Applies down to 32°F/0°C
  - Continuous service at 200°F/93°C
  - Effective on damp surfaces
  - Skins over in 30 minutes
  - Paintable
  - UV stable

M-1 Covers the Building Envelope

- Commercial Roofing: Repair of flashing, coping joints, sealing reglet joints and termination bars, night seals around penetrations, bonding walkway treads and just about any type of emergency roof repairs.
- Residential Roofing: Chimney and step flashing, skylights, roofing details, cove joints, penetrations: Sealing pipe, cable, conduit penetrations through walls and roofs.
- Walls, windows, doors: Masonry and curtain wall construction.
- Masonry and concrete: Crack repairs, horizontal and vertical expansion joints, bonding metal brackets.
- Mechanical: Sealing ducts, insulation, flanges and piping.
- Lightning protection: Bonding grounding cables.
- Solar: Mounting solar panels, assembling components, waterproofing power distribution.
- Emergency repair: M-1 can be applied in standing water as a temporary patch for roof leaks.

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Applications

- Contractor hot line 800-826-1681
- www.chemlink.com

Patching a leak as part of a 3-course flashing repair
M-1 is used to install E-Curbs and ChemCurbs for mounting solar panel frames where the roof environment may involve continuous service temperatures up to 200°F/93°C.

Applications

M-1 is a key component of the ChemCurb and E-Curb penetration seal system. M-1 is used to install E-Curbs and ChemCurbs for mounting solar panel frames

Packaging

M-1 is available in 10 oz, 20 oz, 28 oz, 20 oz cartridges, 20 oz sausages, and 5 oz squeeze tubes. 2- and 5-gallon pails are available by special order.

M-1 colors

<table>
<thead>
<tr>
<th>Color</th>
<th>10 oz</th>
<th>20 oz</th>
<th>28 oz</th>
<th>Squeeze tubes</th>
<th>2- and 5-gallon pails</th>
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<tr>
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M-1 CR is specially formulated for use in buildings such as schools and hospitals where special attention must be paid to quality and the elimination of toxic fumes and molecular contamination. M-1 CR is so stable, it is certified for clean room use as determined by an independent laboratory. VOC content is 19 ppm at 70°F.

M-1 is a key component of the ChemCurb and E-Curb penetration seal system.

Flexibility

- Bonding grounding cables in a lightning protection installation
- Priming pipe penetrations as a first step towards installing E-Curb and ChemCurb seals

Printing pipe penetration as a first step towards installing E-Curb and ChemCurb seals

Shaking grounding cables in a lightning protection installation

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M-1 Compliances

- ASTM C-920, Type I, Grade Mil 024, 12, 24, and 48
- Federal Specification TT-S-00230-C, Type II, Class B
- Corps of Engineers CRD-C-541, Type II, Class B
- Canadian Standards Board CAN 19, 13-O2
- USDA Compliant
- California Prop. 65 and OTC Compliant

M-1 Test Data

- Specific Gravity: 1.42 (11.8 lbs./gal.) depending on color
- Density: 1.42 (11.8 lbs./gal.)
- VOC Content: < 20 grams/liter
- Hardness Shore A: 45 ± 2
- Shear Strength: 30 PSI
- Tack Free Time: 20 minutes ± 10
- Tensile Strength: 37 PSI
- Tear Strength: ASTM D-624
- Shrinkage: No measurable shrinkage after 14 days
- Low Temperature Flex: Pass 1/4 inch mandrel
- Service Temperature: -40°F (-40°C) to 200°F (93°C)
- Shelf Life: One year
- Odor: Mild ester smell
- Odor: Mild ester smell
- EPA RCRA: Compliant
- US Coast Guard: Compliant
- Food Service: Compliant

ChemLink

POLYMER INNOVATION