



## M-1 Universal Adhesive/Sealant

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



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## 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, EPDM, most metals, wood, glass, masonry concrete, fiberglass and solvent-sensitive foams so it works in almost any situation requiring a sealant.\* Yet it delivers nearly 400 psi shear strength and remains elastic after cure—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

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## M-1 Covers the Building Envelope

**Commercial Roofing:** Repair of flashing and 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.

*Patching a leak as part of a 3-course flashing repair*



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## Applications



**Walls, windows, doors:** Masonry and curtain wall construction.

**Lightning protection:** Bonding grounding cables

**Solar:** Mounting solar panels, assembling components, waterproofing power distribution

**Masonry and concrete:** Crack repairs, horizontal and vertical expansion joints, bonding metal brackets

**Mechanical:** Sealing ducts, insulation, flanges and piping



*Emergency repair: M-1 can be applied in standing water as a temporary patch for roof leaks.*



*Sealing HVAC flanges*



*Sealing termination bars*

*M-1 water block underneath metal flashing*

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



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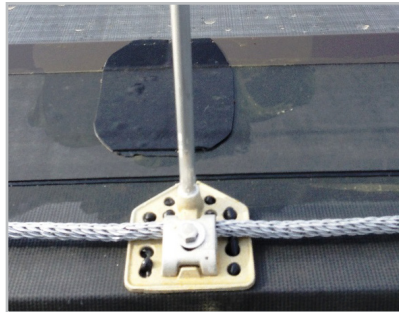


# Applications

M-1 CR is specially formulated for use in buildings such as schools and hospitals where special attention must be paid to air 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 300 C.



Priming pipe penetrations as a first step towards installing E-Curb and ChemCurb seals



Bonding grounding cables in a lightning protection installation



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 where the roof environment may involve continuous service temperatures up to 200°F/93°C.

## Packaging

M-1 is available in 10.1 oz. and 28 oz. cartridges, 20 oz. sausages, and 5 oz. squeeze tubes. 2- and 5-gallon pails are available by special order.

## M-1 colors

|           | 10.1 oz | 20 oz | 28 oz | 5 oz squeeze tubes | 2- and 5-gallon pails |
|-----------|---------|-------|-------|--------------------|-----------------------|
| White     | ✓       | ✓     | ✓     | ✓                  | *                     |
| Black     | ✓       | *     | *     | *                  | *                     |
| Gray      | ✓       | ✓     | ✓     | *                  | *                     |
| Limestone | ✓       | *     | *     |                    | *                     |
| Tan       | ✓       | *     | *     |                    | *                     |

✓ = stock    \* = special order



## M-1 Compliances

|                                                                |
|----------------------------------------------------------------|
| ASTM C-920, Type S, Class 35 Grade NS,use NT, T, M, G, A and O |
| ASTM E84, Class A fire rating                                  |
| 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-M32                        |
| USDA Compliant                                                 |
| California Prop. 65 and OTC Compliant                          |

|                  |                                                                      |
|------------------|----------------------------------------------------------------------|
| Specific Gravity | 1.42 (11.8 lbs./gal.) depending on color                             |
| Viscosity        | 1,200,000 cP ± 400,000, Brookfield RFV, TF Spindle, 4 RPM, 73°F/23°C |
| Odor             | Mild ester smell                                                     |
| VOC Content      | < 20 grams/liter                                                     |

## M-1 Test Data

|                      |                                                 |             |
|----------------------|-------------------------------------------------|-------------|
| Hardness Shore A     | 45 ± 2                                          | ASTM C-661  |
| Shear Strength       | 390 PSI                                         | ASTM D-1002 |
| Tack Free Time       | 20 minutes ± 10                                 | ASTM C-679  |
| Tensile Strength     | 370 PSI                                         | ASTM D-412  |
| Tear Strength        | 111 PSI                                         | ASTM D-624  |
| Shrinkage            | No measurable shrinkage after 14 days           |             |
| Low Temperature Flex | -10°F/-23°C pass 1/4 inch mandrel               |             |
| Service Temperature  | -40°F (-40°C) to 200°F (93°C) continous service |             |
| Shelf Life           | One year                                        |             |

