



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



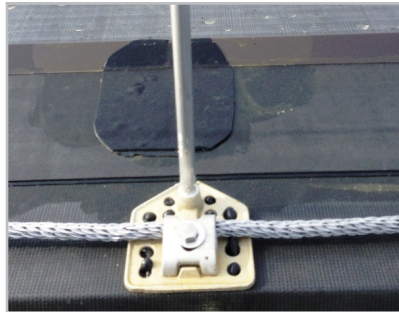
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Applications

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	

