

Product Description:

Chem-Link® M-1® is a moisture curing, polyether adhesive sealant designed for applications in damp, dry, or cold climates. M-1® is solvent free and contains no isocyanates. M-1® will not shrink upon curing, will not discolor when exposed to UV light, and cannot "out-gas" or bubble on damp surfaces as urethane sealants often do. M-1® is capable of joint movement in excess of 35% in both compression and extension and can be used effectively in many difficult construction site conditions such as wet or dry climates and at temperatures as low as 32°F (0°C).

Packaging:

10.1 oz cartridge, 24 per case

Colors:

Black

Features:

- Solvent free, 100% solids will not shrink
- Non-slump, applies vertically and overhead
- 20-minute skin over
- No outgassing on damp surfaces
- Gun grade, no special tools or mixing required

Coverage:

One tube will yield approximately 15 linear feet at 1/2" bead

Application:

Refer to IB Specifications and Construction Details for additional installation instructions. M-1® should be applied to a structurally sound substrate that is clean, dry, free of frost, oils, soaps, silicone, or loose material that may inhibit bonding. For best results, M-1® should be applied at temperatures of 40°F and rising. Comes ready to use. Apply using a professional grade caulking gun. Do not open cartridges, until ready for use. Apply by holding an appropriately sized nozzle against the substrate while engaging the caulking tool to produce flow in a desired bead size. Tool or spread as necessary maintaining desired thickness.

Temperature Guidelines/Storage & Handling:

Store in a dry area, indoors, out of direct sunlight in the original unopened container. Optimum product storage temperature is 60-80°F (15-27°C). Do not store in elevated temperatures. Shelf life is 12 months when stored at 70°F (21°C) with 50% relative humidity. Always rotate stock.

Limitations:

- Do not store in direct sunlight.
- Do not store in elevated temperatures.
- Do not use in areas subject to continuous immersion.
- Substrate temperature shall be above 40°F (4°C) prior to application.
- Substrate temperature limitation is 125°F (52°C)
- Do not use when ambient, substrate or product temperatures are outside specified temperature ranges.
- Do not use on any substrate showing signs of deterioration or loss of structural integrity.
- Do not use after the expiration date.
- Horizontal applications will require tooling.
- Does not bond to Kynar 500® PVDF coated metals.



Applicable Performance Standards:

- ASTM C920, Type S, Grade NS, Class 35 Uses NT, T1, M, G, A & O
- ASTM E84, Class A
- 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-M82
- SWR Institute Validated (Sealant Waterproofing and Restoration)

Regulatory Compliance:

- Conforms to OTC Rule for Sealants and Caulks
- Meets requirements of California Regs: CARB, BAAQMD and SCAQMD
- This product does not contain cancer causing chemicals listed in California Proposition 65.
- Conforms to USDA Requirements for Non-food Contact

Compatible Substrates*

EPDM	SBS Mod Bit
Aluminum and Galvanized Metal	Stainless Steel
Engineered Plastics, PVC	Glass
Fiberglass FRP	Wood
Block and Brick	Concrete and Stone
EPS Foam	EIFS, Stucco

*Test and evaluate to ensure adequate adhesion

Performance Specifications

Gun Grade	Zero Slump	
Viscosity	1,200,000 cp +/- 400,000 cp	Brookfield RVF TF Spindle, 4 RPM, 73°F (23°C)
Density	11.94 lbs per gallon	ASTM D1475
Tack Free Time	35 min +/- 10 min	45 +/- 5 % R.H
Elongation at Break	525%	ASTM D412
Hardness Shore A	45	ASTM C661
Tensile Strength	370 psi	ASTM D412
Shear Strength	390 psi	ASTM D1002
Tear Strength	111 pli	ASTM D624
Low Temp Flexibility	Pass -15°F (-26°C) 1/4 inch mandrel	ASTM D522
Shrinkage	No visible shrinkage after 14 days	
Service Temperature	-40°F to 200°F (-40°C to 93°C)	