

Technical Data Sheet

Polyether Technology

CSI Section No. 07 14 16

CHEM LINK

Construction & Maintenance

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Product Description

1-Part is a moisture curing, pourable sealant designed for use in pitch pans and warranted **ChemCurb/E-Curb** penetration seals. **1-Part** is suitable for application in damp, dry, or cold climates. **1-Part** is solvent free, contains no isocyanates and will not shrink upon curing. **1-Part** can not “out-gas” or bubble on damp surfaces as urethane sealants often do. **1-Part** has resilient “elastomeric” properties and excellent adhesion to most construction materials. **1-Part** can be used effectively in many difficult construction site conditions and cures in wet or dry climate conditions and at low temperatures (32°F / 0°C). **1-Part’s** low durometer accommodates greater movement in penetration seals than typical urethane sealants.

Cure Time

1-Part is a moisture cure sealant. Rate of cure is dependent on atmospheric conditions. Curing proceeds at a rate of 1/4” a week at 70°F (22°C) and 50% Relative Humidity. Lower temperature and humidity will inhibit the rate of cure. Higher temperature and humidity will accelerate rate of cure. Depths of more than 2” will cure through in 2 to 3 months.

DO NOT install if rain is anticipated within 4 hours.

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

Green Standards:

- LEED 2.2 for New Construction and Major Renovations: Low Emitting Materials (Section 4.1) 1 Point
- NAHB Model Green Home Building Guidelines: 5 Global Impact Points
- VOC Content: less than 19 grams / liter ASTM D2369 EPA Method 24 (tested at 240°F / 115°C)



U.S. PATENT NO. RE41,586 E

Advantages

- Solvent free, 100% solids will not shrink
- 20 minute skin over
- No outgassing on damp surfaces
- Good UV stability, will not suntan
- Paintable within 24 hours (See limitations)
- Self leveling, no special tools or mixing required
- Application at temperatures as low as 32°F (0°C)
- Extended warranties available

Colors

White, Gray & Black

Packaging

- **10.1 oz (300 ml) Gray only**
24 cartridges/carton, 45 cartons/pallet
Other colors available by special order
- **28 oz (825 ml) Gray only**
12 cartridges/carton, 40 cartons/pallet
Other colors available by special order
- **1/2 Gallon Pouch Gray, White, & Black**
4 pouch/carton, 48 cartons/pallet
- **20 oz sausages, 2 and 5 gallon pails or 50 gallon drums available by special order**



Application Instructions

Remove all previously applied caulk, mastic, cement, asphalt and other contaminants from penetrations with a wire brush. Brush away all gravel or loose granules.

Seal the base of each penetration with **M-1**. Coat penetrations with **M-1** one inch above the top of the **ChemCurb/E-Curb**. DO NOT USE AN ASPHALT PRIMER OR ROOF CEMENT.

Cut tip off the tube at the widest point of nozzle and pierce the foil seal. Insert the cartridge into a quart caulking gun and pump the **ChemCurb/E-Curb** full. If using a pouch, remove the cap from the pouch, pour into curb. If there is remaining sealant, squeeze out excess air and reseal.

NOTE: It is recommended to fill the ENTIRE **ChemCurb/E-Curb** with **1-Part** and maintain a one inch distance between the penetration and inside edge of the **ChemCurb/E-Curb** to provide an adequate rubber seal.

Service Temperature

-40°F to 200°F (-40°C to 93°C)

Compatible Substrates	
APP with gran. target	PVC / PIB
Single Ply Membranes	Asphalt
TPO with TPO Primer	SBS Mod Bit / BUR

Clean-Up

Wet adhesive can be removed using a solvent such as alcohol. Cured **1-Part** can be removed by abrading or scraping the substrate.

Storage

Store original, unopened containers in a cool, dry area. Protect unopened containers from water, heat and direct sunlight. Elevated temperatures will reduce shelf life. **1-Part** will not freeze.

Shelf Life

Twelve months from date of manufacture when stored at 70°F / 21°C with 50% relative humidity. High temperature and high relative humidity may significantly reduce shelf life. Pails have a shelf life of six months.

Limitations:

- For light colored product, UV light will prevent discoloration
- Do not store in elevated temperatures.
- Please contact customer service for application guidelines with temperatures below 32°F (0°C).
- Do not install if rain is anticipated within 4 hours
- Do not use on TPO without TPO primer.
- Do not use on Hypalon membranes
- Smooth APP membranes require a prior installation of a granulated target of APP modified bitumen around the penetration.
- Do not use in areas subject to continuous immersion.
- In areas where prolonged chemical exposure is anticipated, contact Technical Services for recommendations. 800-826-1681
- Do not prime bonding surfaces with asphalt primer.
- Test and evaluate all paints before application. Alkyd and oil based paints may dry slowly.
- Do not use asphalt cement as a "night sealant" around the base of the penetration. Use **M-1** for this purpose.

DO NOT USE petroleum based solvents such as mineral spirits or xylene for cleaning purposes. Maintain **1-Part** at room temperature before applying to ensure easy gunning and leveling. Test and evaluate to ensure adequate adhesion. Dry all visible and standing water prior to applying **1-Part**.

All properties described in this document are derived from testing conducted in laboratory conditions. Properties and performance will vary depending on environmental conditions and application technique. Test and evaluate to determine appropriate usage. Visit www.chemlink.com for the Safety Data Sheet, Technical Data Guides and full warranty for this product.

LIMITED WARRANTY: **CHEM LINK** warrants this product's performance, provided it is properly stored and applied within 1 year. If this **CHEM LINK** material is proved to be defective, return remaining product and purchase receipt for refund or replacement of product exclusive of labor or cost of labor. This is the sole and exclusive remedy for defects or failure of this product. User must read and follow the direction of the current Technical Data Guide and SDS prior to product use. User determines suitability of product for intended use and assumes all risks. Manufacturer shall not be liable for damages (including consequential or incidental damages) in excess of the purchase price, except where such exclusion or limitation is prohibited by state law. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, WRITTEN OR ORAL, STATUTORY, EXPRESS OR IMPLIED INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE; except for the above express warranty given by manufacturer, the product is sold with all faults. **CHEM LINK** SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS. This warranty gives you specific legal rights, and you may also have other rights in the U.S. which vary from state to state. For warranty claim information, call 800-826-1681.

