E-CURB™ SYSTEM
HVAC PENETRATION SEALS

Technical Data Sheet | **Polyether Technology** | **CSI Section No. 07 12 13**

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Product Description

E-Curb penetration seals replace old-style metal pitch pans with versatile, precast components and pourable sealants. CHEM LINK's **E-Curb** System can usually be installed in under 15 minutes and never requires flashing or mechanical attachment.

E-Curbs are designed for use on granulated modified bitumen, asphalt and coal tar B.U.R. (built up roofing). **E-Curbs** are specified for PVC, EPDM, PIB, and TPO single-ply roofing membranes. **E-Curbs** are highly versatile for sealing penetrations around HVAC, mechanical, solar panel mounts, electrical, and any type of structural supports. TPO Primer is required for use with TPO single-ply roofing membrane.

When properly installed, this system forms a durable, waterproof rubber seal around penetrations. An extended manufacturers warranty against leaks is activated with submittal of a completed warranty card.

Special Characteristics

- Rapid installation - "Slip-fit" light weight curb design significantly reduces labor.
- Excellent adhesion to most roofing materials.
- No flashing or mechanical attachment required.
- Service Temp -80°F to 400°F (-62°C to 204°C)
- For sloped roof applications, substitute **DuraSil**™ non-slump adhesive/sealant for **DuraSil SL**
- When Hot Pipe applications are not a factor, substitute standard **E-Curb** 1-Part Pourable Kits for **E-Curb** HVAC Kits.

Restrictions

- 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 Hypalon or smooth APP modified bitumen membrane. For smooth APP, torch down a target of granulated APP before installation.
- TPO Primer must be used for TPO applications.
- Do not prime bonding surfaces with asphalt primer.
- Do not use asphalt cement as a "night sealant." Use **M-1** for this purpose.
- **E-Curb** kits are designed to contain enough **DuraSil SL** to fill each curb with displacement in consideration. Refer to our penetration calculator under Contractor Resources at chemlink.com to verify volumes.

E-Curb System Components

- **E-Curb** exterior rings, straights, and corners.
- **DuraSil** Silicone Adhesive/Sealant used for bonding the **E-Curb** components, sealing and priming the penetration.
- **DuraSil SL** pourable silicone sealer, used to form a durable, watertight seal around the roof penetration

E-Curb precast form components are composed of lightweight nylon resin. The **E-Curb** is 2-inches high and is available in a variety of shapes and sizes. Standard sizes include bisected circular pieces with inside diameters of 3, 4, 5, 6 or 9 inches; corner pieces with a 2-inch radius; straight pieces in 3-inch or 8-inch lengths; and a 4.5" x 3.4" rectangle. The outer surface is impervious to ice, corrosion, UV (ultraviolet) light and ponding water.

DuraSil is a neutral cure (RTV) silicone, adhesive sealant, designed for higher temperature applications up to 400°F (204°C). Cartridges of **DuraSil** are supplied in each **E-Curb** kit.
Components are also sold separately.

DuraSil SL is a self-leveling "Neutral Cure" Silicone Sealant designed for use in pitch pans and warranted **E-Curb** penetration seals suitable for hot pipe applications up to 400°F (204°C). 2 liter pouches of **DuraSil SL** are supplied in each **E-Curb** kit.
Components are also sold separately.

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Step 1
Remove all previously applied caulk, mastic, cement, asphalt, and other contaminants from penetrations with a wire brush. Clean all smooth substrates with isopropyl or denatured alcohol. Brush away all gravel or loose granules. Seal the base of each penetration with **DuraSil**. Coat penetrations with **DuraSil** to 3" above the roof line.

Step 2
Hold a section of **E-Curb**, flat side up, and apply a 1/4" bead of **DuraSil** to the entire bottom perimeter. Apply 1 additional 1/4" bead of **DuraSil** down the center of the section. Do not tool the beads flat. Place the **E-Curb** section on the roof surface to form a half circle around the penetration(s). Press down firmly until **DuraSil** extrudes from the outside edges.

Step 3
Apply **DuraSil** to the second section of **E-Curb** as described above. Place the second section of curb on the roof surface to form a circle with the first section. Press firmly in place until excess adhesive extrudes from the outside edges. Apply a bead of **DuraSil** around the outside base of the installed **E-Curb**, and tool to form a smooth fillet.

Step 4
Cut tip off the provided nozzle at widest point. Screw the nozzle on the **DuraSil SL** pouch and squeeze material into **E-Curb** to fill. When complete, remove nozzle, squeeze out excess air, and reseal with cap.
Note: To provide an adequate rubber seal, maintain a 1" distance between penetrations and inside edge of the **E-Curb**.

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.

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