**E-CURB System**

The *E-CURB* penetration pieces consist of the following sizes and colors:

**E-CURB Straights**

8" straight sections used to lengthen the *E-CURB*.

- **F1356WH (White)**
  - Contains 16 straights per carton only.
- **F1356GR (Gray)**
  - Contains 16 straights per carton only.

**E-CURB Corners**

2" corner pieces used with straight sections to make box shapes.

- **F1355WH (White)**
  - Contains 16 Corners per carton only.
- **F1355GR (Gray)**
  - Contains 16 Corners per carton only.

**E-CURB Diameter Rounds**

3" diameter round consisting of (2) 1.5" radius pcs.

- **F1331 (Gray only complete 1-Part™ & M-1® kit)**
  - Contains 10 complete curbs per carton only.
- **F1333 (Gray components only)**
  - Contains 24 curbs only per carton.

4" diameter round consisting of (2) 2" radius pcs.

- **F1354WH or F1354GR (complete 1-Part™ & M-1® kit)**
  - Contains 4 complete curbs per carton only.
- **F1357WH or F1357GR (components only)**
  - Contains 12 curbs only per carton.

6" diameter round consisting of (2) 3" radius pcs.

- **F1350WH or F1350GR (complete 1-Part™ & M-1® kit)**
  - Contains 3 complete curbs per carton only.
- **F1352WH or F1352GR (components only)**
  - Contains 6 curbs only per carton.

9" diameter round consisting of (2) 4.5" radius pcs.

- **F1351WH of F1351GR (complete 1-Part™ & M-1® kit)**
  - Contains 3 complete curbs per carton only.
- **F1353WH or F1353GR (components only)**
  - Contains 5 curbs only per carton.
**HOW TO CALCULATE E-CURB VOLUMES**

Note: These figures represent volume of sealant needed for various sizes of curb combinations without displacement for penetrations. (To estimate exact volume needed, also figure volume of penetrations and subtract from volume of curbs.)

To figure volume of a square curb: Multiply length x width x depth, (2") x (quantity of curbs needed) the divide by 231 (in³ in a gal.) to get the number of gallons needed to fill the curb.

Note:
- One gal. pourable sealer = 231 in³
- One ½ gal. pouch = 115.5 in³
- One 28 oz cartridge = 50 in³
- One 10.1 oz cartridge = 4.18 in³

Always figure 2" depth of E-Curbs. Less invalidates warranty. A corner curb adds two inches to a straight curb on each end.

Examples:

**Four 8" Straights + Four 2" Corners**
Form a square 12" x 12" x 2" deep.
Multiply 12" x 12" x 2" = 288 in³
Divide 288 in³ by 231 = 1.25 gal

**3" round Curb + two 8" Straights**
Form an oval 11" x 3" x 2" deep.
Multiply 11" x 3" x 2" = 66 in³
Divide 66 in³ by 231 = 0.30 gal

**4" round Curb + two 8" Straights**
Form an oval 12" x 4" x 2" deep.
Multiply 12" x 4" x 2" = 96 in³
Divide 96 in³ by 231 = 0.42 gal

**6" round Curb + two 8" Straights**
Form an oval 14" x 6" x 2" deep.
Multiply 14" x 6" x 2" = 168 in³
Divide 168 in³ by 231 = 0.73 gal

**9" round Curb + two 8" Straights**
Form an oval 17" x 9" x 2" deep.
Multiply 17" x 9" x 2" = 306 in³
Divide 306 in³ by 231 = 1.32 gal

To figure volume of a round curb: multiply (radius squared x 3.14 x depth) x (quantity of curbs needed) then divide by 231 (in³/gal) to get the number of gallons needed to fill the curb.

**3" round Curb**
Form a diameter 3" x 2" deep.
Multiply 1.5" squared x 3.14 x 2" = 14.13 in³
Divide 14.13 in³ by 231 = 0.06 gal

**4" round Curb**
Form a diameter 4" x 2" deep.
Multiply 2" squared x 3.14 x 2" = 25.12 in³
Divide 25.12 in³ by 231 = 0.11 gal

**6" round Curb**
Form a diameter 6" x 2" deep.
Multiply 3" squared x 3.14 x 2" = 57.52 in³
Divide 57.52 in³ by 231 = 0.25 gal

**9" round Curb**
Form a diameter 9" x 2" deep.
Multiply 4.5" squared x 3.14 x 2" = 127.17 in³
Divide 127.17 in³ by 231 = 0.55 gal
Apply 1/4" diameter beads of M-1® as shown, to the bottom of each E-CURB section.

**DO NOT TOOL THE M-1® BEADS SMOOTH!**
2” minimum between pipe and E-CURB

1” minimum between pipes

12”

M-1® Structural Sealant all around. At least 3” above penetration(s).

Apply M-1® Structural Sealant

Apply M-1® Structural Sealant

Prime this surface as needed

Roof Surface

SECTION A-A

SCALE 1 : 4
Fill E-CURBs with only 1-Part™ Pourable Sealer when installing on granulated membranes. On all other membranes, PRO PACK™ Pourable Sealer can be used.

Optional:
M-1® Structural Sealant for bonding E-CURB joints.
(Not shown for clarity)

Prime penetrations with M-1®, extending up 3" from base of penetration.

DO NOT USE ROOF CEMENT!

E-CURB Sections

A minimum 1" space is required between all penetrations and the interior wall of all E-CURBs.
Fill E-CURBs with only 1-Part™ Pourable Sealer when installing on granulated membranes. On all other membranes, PRO PACK™ Pourable Sealer can be used.

Optional: M-1® Structural Sealant for bonding E-CURB scarf joints. (Not shown for clarity)

Prime penetrations with M-1®, extending up 3" from base of penetration. **DO NOT USE ROOF CEMENT!**

External bead of M-1® required. OPTION: An additional bead of 1-Part™ Pourable Sealer can be applied over top of the external bead of M-1® to lock in granules on granulated roof membranes.

_A minimum 1" space is required between all penetrations and the interior wall of all E-CURBs._
CABLE SUPPORT PENETRATION

Fill E-CURBs with only 1-Part™ Pourable Sealer when installing on granulated membranes. On all other membranes, PRO PACK™ Pourable Sealer can be used.

Prime penetrations with M-1®, extending up 3" from base of penetration. DO NOT USE ROOF CEMENT!

Optional: M-1® Structural Sealant for bonding E-CURB joints. (Not shown for clarity)

External bead of M-1® required. OPTION: An additional bead of 1-Part™ Pourable Sealer can be applied over top of the external bead of M-1® to lock in granules on granulated roof membranes.

A minimum 1" space is required between all penetrations and the interior wall of all E-CURBs.
SOLAR PANEL MOUNT

Solar Panel Mount shall be mechanically secured to the decking in a manner that eliminates movement.

A minimum 1" space is required between all penetrations and the interior wall of all E-CURBs.

Prime penetrations with M-1®, extending up 3" from base of penetration. **DO NOT USE ROOF CEMENT!**

External bead of M-1® required. OPTION: An additional bead of 1-Part™ Pourable Sealer can be applied over top of the external bead of M-1® to lock in granules on granulated roof membranes.

Fill E-CURBs with only 1-Part™ Pourable Sealer when installing on granulated membranes. On all other membranes, PRO PACK™ Pourable Sealer can be used.
A minimum 1" space is required between all penetrations and the interior wall of all E-CURBs.
A minimum 1" space is required between all penetrations and the interior wall of all E-CURBs.

Trowel application of DuraLink 50™ flush with the top of the E-CURB.

Optional: DuraLink 50™ Sealant for bonding E-CURB scarf joints. (Not shown for clarity)

External bead of DuraLink 50™ required.

Prime penetrations with DuraLink 50™, extending out 3" from base of penetration.

DO NOT USE ROOF CEMENT!
Fill E-CURBs with only 1-Part™ Pourable Sealer when installing on granulated membranes and around high movement details.

Optional: M-1® Structural Sealant for bonding E-CURB joints. (Not shown for clarity)

Prime penetrations with M-1®, extending out 3" from base of penetration. **DO NOT USE ROOF CEMENT!**

External bead of M-1® required. OPTION: An additional bead of 1-Part™ Pourable Sealer can be applied over top of the external bead of M-1® to lock in granules on granulated roof membranes.

A minimum 1" space is required between all penetrations and the interior wall of all E-CURBs.
A minimum 1" space is required between all penetrations and the interior wall of all E-CURBs.

Fill E-CURBs on sloped roofs with DuraLink 50™ low modulus sealant.

Prime penetrations with DuraLink 50™, extending up 3" from base of penetration. **DO NOT USE ROOF CEMENT!**

Optional: DuraLink 50™ Sealant for bonding E-CURB joints. (Not shown for clarity)

External bead of DuraLink 50™ required
A minimum 1" space is required between all penetrations and the interior wall of all E-CURBs.
HOT STACK PENETRATION
(200°F to 400°F)

- Fill E-CURBs with DuraSil™ SL silicone for low slope applications or DuraSil™ Non Sag silicone for sloped roof applications.
- Prime penetrations with DuraSil™ silicone, extending up 3" from base of penetration. **DO NOT USE ROOF CEMENT!**
- External bead of DuraSil™ silicone required.
- A minimum 1" space is required between all penetrations and the interior wall of all E-CURBs.
Apply ChemLink TPO Primer with a brush to the surface of the TPO membrane. Primer shall extend from the base of the penetration(s) to 1" beyond the outside perimeter of the E-CURB.

TPO Roof Membrane

Prime penetrations with M-1®, extending up 3" from base of penetration.

DO NOT USE ROOF CEMENT!

External bead of M-1® required.

Optional:
M-1® Structural Sealant for bonding E-CURB scarf joints.
(Not shown for clarity)

Fill E-CURBs with only 1-Part™ Pourable Sealer or PRO PACK™ Pourable Sealer can be used.

A minimum 1" space is required between all penetrations and the interior wall of all E-CURBs.