The revolution
in low-slope roofing

V2T roof system

Preparing for Startup

In an effort to help you be successful on your V2T Technology project, there are some things that you will need ahead of time to help in preparation.

V2T Vent

PREPARATION FOR V2T PROJECT:

1. Skirts for the vents
2. Bonding Adhesive for caulk tape & distribution strip
3. 3” insulation plates & 1 ¼” screws
4. Channel and flat termination bar

Because there are several materials (PVC, TPO, and EPDM) and manufacturers (Carlisle, Versico, and Flex) used for the V2T Technology projects, we ask that the contractor prepare the skirts ahead of time from the material they are using. Here is the process that will help expedite this on the job site.

1. Skirts for the vents

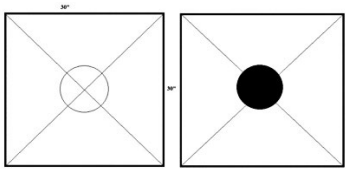

Diagram 1

A. PREPARE THE SKIRT AS FOLLOWS:

1. Cut a 30” x 30” skirt from the (PVC, TPO, or EPDM) materials being used and mark the skirt diagonally from opposite corner to opposite corner to determine the center of the skirt.
2. At the center point cut a 10.5” diameter circle out of the skirt using the template provided or by using a 5.25” radius arm at the center point to draw the circle to be cut out. Cut the circle from the center of the skirt making sure the cut is smooth and without variation in the diameter. *(See Diagram 1)*

VENTS THAT ARE INSTALLED USING PVC MATERIAL WILL HAVE THE PRECUT SKIRT APPLIED AS FOLLOWS:
V2T vents are made from PVC and the skirts can be welded directly to the base flange.

1. The 2” wide base flange of vent is to be cleaned with acetone to assure a dust, oil free surface. The bottom of the skirt is to be cleaned with acetone.
2. Once the skirt and flange has been prepared, place the skirt over the vent onto the base flange and weld onto the flange. This is best accomplished by tacking the skirt in four opposite places on the inside edge and then welding the skirt onto the flange.
3. Apply one part urethane caulk to seal around the inside edge of the skirt and the base of the bottom hemisphere. Make sure surfaces to receive caulk is clean and free from dust, oils or debris. Finger trowel the caulk to assure a smooth surface and complete contact to surfaces. Allow caulk to cure. After curing, vents will be ready for installation.

VENTS THAT ARE INSTALLED USING TPO OR EPDM MATERIAL WILL HAVE THE FOLLOWING PROCEDURE:

The vents used on TPO or EPDM projects will have a preinstalled Eternabond ring on the base flange with a plastic release film on the top.

1. Center the skirt over the butyl ring on the base flange. The skirt inside edge should fit snuggly around the bottom of the lower hemisphere base and over the base flange. While holding the skirt in place, locate the cut through the release paper on top and begin to gently remove the release paper. Once release paper is removed use a roller over the membrane to assure complete contact and adhesion to the butyl ring. Membrane should be free of wrinkles or voids.

2. Apply one part urethane caulk to seal around the inside edge of the membrane and the base of the bottom hemisphere. Make sure surfaces to receive caulk is clean and free from dust, oils or debris. Finger trowel the caulk to assure a smooth surface and complete contact to surfaces. Allow caulk to cure. After curing, vents will be ready for installation.

2. Bonding Adhesives for caulk tape & distribution strip

1. In many projects, especially recovery projects the existing membrane is not clean. In an effort to assure the adhesion of the caulk tape to the existing surface we recommend the use of bonding adhesive on the existing roof surface where the caulk tape is to be applied. This can be accomplished by use of a roller (4"works best) or a chip brush. On the perimeter edge and around penetration the bonding adhesive is applied to the area to receive the caulk tape and allowed to dry. The caulk tape is then applied to the bonding adhesive and pressed into the adhesive to assure complete contact. The release paper is left on the caulk tape until the membrane is applied. Once the membrane is applied the release paper is removed and the membrane is secured into the caulk tape with termination bar and secured with appropriate fasteners.
2. Bonding adhesive will be used to tack the distribution strip in place. After the distribution strip is rolled as required by the engineering drawing, a chip brush or 4" roller is used to tack the distribution in place about every 4 - 5 feet. After adhesive dries the distribution strip will remain in place as the membrane is rolled over it.

3. 3" insulation plates & 1 ¼" screws

These are used to mark the intersection of the distribution strip. Where the distribution strip intersects at the location of the vent, place 2-3 3" insulation plates stacked together and secure with 1 ¼" screw. Once the membrane is rolled out you will be able to locate the vent. Cut 11" opening at the vent location, remove screws and plates and install vent with skirt over the opening.

4. Channel and flat termination bar

When terminating membrane on vertical surfaces and curb penetration you will need channel termination bar with 6" hole spacing.

We recommend products from OMG Roofing Products or TRUFAST.

The termination are completed by turning the channel bar with the legs against the membrane and secured 6" o.c. For termination on flat areas such as gravel stop or gutter edges you will use flat termination bar secured 6" o.c.

Termination Bars

PRODUCT DATA SPECIFICATIONS

PRODUCT DESCRIPTION

OMG Termination Bar is designed to terminate single-ply membrane at parapet walls and other penetrations. Use the OMG Heavy Duty Fastener or Masonry Anchor to secure the termination bar.

OMG Termination Bar is made of extruded aluminum (6063 T6 alloy) with a mill finish, or Series #304 stainless steel alloy. Oval holes that measure 6 x 10 mm (¼-in. x ⅜-in.) are punched into each bar, with standard 150, 200 or 300 mm (6, 8 or 12-in.) on center (o.c.) spacing. OMG Termination Bar can be made to order with special hole spacing.

PACKAGING

All OMG termination bars come in 3.0 m (10-ft.) lengths. **Aluminum bar** is packaged in tubes of 50 (152.5 m) [500-ft.] total. **Stainless steel bar** is packaged in tubes of 10 (31 m) [100-ft.] total. There are 10 tubes per pallet.

PHYSICAL DATA* & ORDERING INFORMATION

PRODUCT	CAT. NO.	WIDTH	THICKNESS	SPACING MM (IN)	LEG/LIP MM (IN)	WEIGHT KG (LBS)
LIP BAR	LIPTB06	19 mm (¾-in.)	2.3 mm (.090-in.)	150 (6) o.c.	5 (3/16-in.) wide lip 45° angle	25.88 (57)
	LIPTB08			200 (8) o.c.		
	LIPTB12			300 (12) o.c.		
FLAT BAR	FLATB06	25 mm (1-in.)	2.3 mm (.090-in.)	150 (6) o.c.	N/A	25.88 (57)
	FLATB08			200 (8) o.c.		
	FLATB12			300 (12) o.c.		

*All sizes are nominal.

TRUFAST® TRUSTED CONNECTIONS

PRODUCT INFORMATION

TERMINATION AND DRAIN BARS

PRODUCT SELECTION - Extruded Aluminum

TB-50 TERMINATION BAR

Material:	6063-T6 Extruded Aluminum
Dimensions:	.050 thick x 1" wide x 10' long per piece.
Holes:	1/4" x 3/8" slotted holes on 6" or 8" centers.
Packaged:	50 pieces per tube.
Approx. Shipping Weight:	40 pounds per tube.

All other aspects of installing a V2T Technology roof will be governed by the specification of the manufacturer of the membrane that is being used.

In general we believe that the V2T Vent Technology has a significant advantage in performance, installation, monitoring, environmental stewardship and cost than any other system on the market. To date, we have millions of square feet of roof in all climates that is providing these benefits to contractors, building owners, and manufacturers across the country.

To learn more about the V2T Roof System, visit us at **www.V2TRoofSystem.com**.

If you have a specific job in mind, you can complete the **Job Evaluation Request Form** and we'll get back to you within 48 business hours.

V2T roof system

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