

Roof Curb Installation Guide

Thank you for purchasing your new roof curb kit from *Attic Breeze*. Our roof curb kits have been carefully designed to provide easy installation with minimal tools or experience required. Before beginning, please completely review this guide and the tools required for installation.

Application

This guide applies to both tile and metal roof installations. Please consult your *Attic Breeze* dealer for more information regarding alternate installation methods for other roof types.

Parts & Equipment

The following parts and equipment are included for your installation:

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| (1) <i>Attic Breeze</i> AB-004 roof curb | (3) Wakaflex® roof flashing (110 cm rolls) |
| (20) #10 self-tapping screws w/neoprene washer | (2) Wakaflex® roof flashing (100 cm rolls) |

What's Needed

- cordless drill with nut driver attachments
- tape measure
- hammer
- scissors
- reciprocating saw
- roofing-grade weatherproof sealant

Getting Started

The location where you wish to install the roof curb should be clear of roofing materials (tile roofs) with a square vent hole measuring 20" x 20" cut into the roof decking. Please refer to the installation instructions included with your *Attic Breeze* curb mounted fan for details.

The roof curb will need to be mounted flush to either the framing structure or decking of your roof. Position your *Attic Breeze* roof curb over the vent hole and use it as a template to mark off the area where the roof curb will be mounted. For tile roof installations, use a hammer to remove any battens under the roof curb area as needed (see Figure 1) so that the roof curb can be mounted flush to the decking. For metal roof installations, use a reciprocating saw to notch the standing seam back under the marked area to allow the roof curb to mount flush with the metal decking.

Installing the Roof Curb

Using a roofing-grade weatherproof sealant, apply sealant around the bottom side of the roof curb as shown in Figure 2. Position the roof curb over the vent hole, squaring the curb with your roof tiles or standing seams. Using the included self-tapping screws, securely fasten the roof curb in place to the framing members, decking, or metal roof sheeting by applying two screws to each side of the roof curb's flashing. For tile roof installations, apply sealant to mounting screws and around the roof curb base. Replace roof tiles as needed up to the installed roof curb.



Figure 1 - Remove Battens



Figure 2 - Apply Sealant

Apply the Flashing

The *Attic Breeze* roof curb installation kit includes Wakaflex® roof flashing for weatherproofing your roof curb installation. Wakaflex® roof flashing provides an adhesive backing that effectively bonds to virtually any type of roofing material and may be easily molded or trimmed for your specific installation needs.

Begin by flashing the bottom side of the roof curb using a 100 cm roll of Wakaflex® flashing. Center the flashing across the bottom of the curb. Using scissors, cut the flashing to both corners of the roof curb, allowing it to easily wrap around either side of the curb. Remove the adhesive backing from the Wakaflex® flashing and mold the flashing in place around the roof curb, as well as over the roof tiles or metal sheeting below the curb (see Figure 3).



Figure 3 - Bottom Flashing

Next, flash the sides of the roof curb using a 110 cm roll of Wakaflex® flashing for each side of the curb. Center the flashing on the side of the roof curb, allowing overlap with the previously installed bottom flashing piece and top of curb. Cut the side flashing with scissors to allow for wrapping of the flashing around the roof curb as in the previous step. Remove the adhesive backing from the Wakaflex® flashing and mold the flashing in place around the sides of the curb, as well as over the bottom flashing and roof tiles or metal sheeting (see Figure 4). Repeat for opposite side of roof curb.



Figure 4 - Side Flashing

Using a 100 cm roll of Wakaflex® flashing, center the flashing across the top side of the roof curb. As done previously, cut the flashing to allow for easy wrapping around the curb, overlapping the previously installed side flashing pieces. Remove the adhesive backing and mold the flashing in place around the top side of the roof curb and side flashing, as well as over the roof tiles or metal sheeting above the curb.

Finally, using the last roll of Wakaflex® flashing, overlap the areas of flashing above the roof curb by roughly 2-4 inches, extending the flashing out over the tile or metal sheeting as needed. Trim the length of the flashing for appearance as required for your installation. Remove the adhesive backing and mold the final piece of flashing in place over the previously installed flashing.

Installing the Solar Attic Fan

The roof curb should now be completely flashed and ready for installation of your new solar attic fan. Depending on your specific project, you may wish to paint the Wakaflex® flashing to better match your roof color (see Figure 5). The flashing is designed to be paintable using any standard exterior grade spray paint.

NOTE: Make sure to save the remaining self-tapping screws included with your roof curb installation kit for use in the next installation step.

Your *Attic Breeze* curb mount solar attic fan is designed to mount directly over the installed roof curb and flashing system. Please refer to the installation instructions included with your *Attic Breeze* fan to complete the installation of your product.



Figure 5 - Painting the Flashing