

Cobra® FasciaFlow™ Premium Intake Ventilation

Application Instructions

Updated: 1/10



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APPLICATION INSTRUCTIONS

Cobra® FASCIAFLOW™

Premium Intake Ventilation

Working With Cobra® FasciaFlow™ Premium Intake Ventilation

General Considerations...

- **Storage...** Always store on flat, level and dry surfaces. Cut, drill and route with the same tools normally used on wood. Use carbide tipped blades, wood drills and standard routing bits.
- **Cleaning...** Keep product clean. If necessary, clean any dirt or debris after the product has been installed
- **Painting (if desired)...** Paint only with 100% acrylic exterior latex paints. Consult the paint manufacturer for further details. Painting is not required.
- **Gluing...** Always use colorless PVC glue to prevent joints from separating. Consult the PVC Glue manufacturer for further details on curing time, priming etc. If required by the PVC glue manufacturer, prime the surface before applying glue.
- **Gutters...** Use only residential gutters and gutter fasteners with Cobra® FasciaFlow™ premium intake ventilation. Do not use with large, or heavy commercial sized gutters.
- **Joints...** If the built-in side laps can not be used when joining adjacent boards, scarf/miter joints or butt joint can be used (Figure 1A, 1B, 1C).

Fastening Considerations...

- Prior to fastening, ensure the attic rafter tails or framing members are well seasoned, supported, and capable of supporting the Cobra® FasciaFlow™ premium intake ventilation and a fully loaded gutter (including rain/snow/ice).
- Use only minimum 2 ½" (64 mm) high-quality stainless steel or hot-dipped galvanized fasteners to provide at least 1 ¼" (32 mm) penetration into the attic rafter tails. Fasteners with small heads are recommended for better looking installations.
 - **With Gutters...** Screws MUST be used for maximum holding power.
 - **Without Gutters...** Trim or wood siding fasteners can be used.

Ventilation Requirements...

- Cobra® FasciaFlow™ premium intake ventilation has 9.0 square inches of Net Free Area per linear foot (19,051 mm²/lin.m). Always install properly sized Cobra® ridge vents or other exhaust vents in conjunction with Cobra® FasciaFlow™ premium intake ventilation.
- **Important:** To achieve a "balanced" attic ventilation system, there must always be an air intake system and air exhaust system (ridge vents/other exhaust vents). For proper ventilation, the amount of intake ventilation must equal the amount of exhaust ventilation. In no case should the amount of exhaust ventilation exceed the amount of intake ventilation. Consult local building codes for further specifications and requirements on proper attic ventilation.
- The ventilation slots on the back of Cobra® FasciaFlow™ premium intake ventilation MUST always be clear of obstruction to provide proper intake ventilation.



Figure 1A



Figure 1B

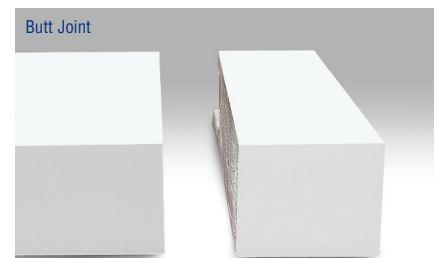


Figure 1C

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Premium Intake Ventilation

Installing On Existing Structures...

1. Remove Existing Fascia Board... to provide access to the attic rafter tails and open attic space. If present, remove gutter system, metal drip edge or exterior cladding.

Note: If there are multiple fascia boards, exterior insulation or exterior cladding running up to the roof sheathing, remove or cut pockets to allow access into the attic rafter cavities. Do NOT cut through attic support rafters.

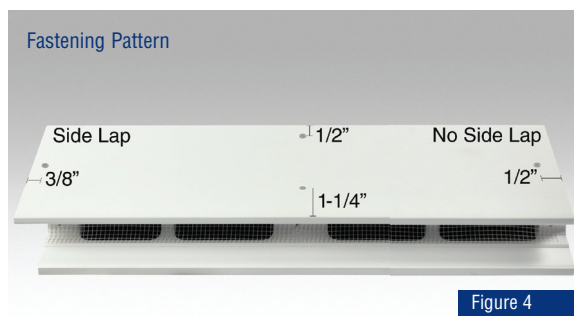
2. Clear Debris... blocking access into the attic space. Be sure to flatten attic insulation to allow for proper airflow into the attic space. Attic baffles may be used to help prevent insulation from blocking intake air flow into the attic space.

3. Position Cobra® FasciaFlow™ Premium Intake Ventilation... up to the roof sheathing (in line with roof slope) to allow for proper re-installation of metal drip edge (Figure 2). The vent channels on the back of the board must always reach the attic space. If necessary, the top of the vent may be cut down to allow Cobra® FasciaFlow™ premium intake ventilation to fit properly.

Note: The front-face vent design of the Cobra® FasciaFlow™ premium intake ventilation allows it to be mounted “flush” on to the exterior cladding or above the exterior cladding. This will depend on the specific construction type and/or exterior cladding system of the home.

4. Use Built-in Fastening Ribs... to line up the board to attic rafter tails. The 8” (203 mm) on-center fastening ribs are marked by notches located on the top of the board and are designed to work on 16” (406 mm) and 24” (610 mm) on center attic rafter systems. The fastening ribs must be centered on the attic rafter tails (Figure 3).

5. Fasten... through built-in fastening ribs, using two vertically aligned fasteners per attic rafter tail. Always fasten at least ½” (13 mm) away from top and side edges of the board and 1 ¼” (32 mm) up from the bottom edge of the front face. In the side lap area, use notch to align fasteners (see Figure 4 below). Drive the fasteners flush to the board or countersink the fasteners (if desired) and fill with putty or caulk (Figure 5).



6. Apply Subsequent Sections... using the built-in side laps. Always use colorless PVC glue at the joints and side laps between boards (Figure 6).

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- 7. Install End Caps...** by cutting out a built-in fastening rib from a piece of Cobra® FasciaFlow™ premium intake ventilation (Figure 7A, 7B). Allow space at the end of the run to fit the end cap. Install the end cap at the termination of the run using colorless PVC glue (Figure 7C, 7D). If a full board is used at the end of a run, simply cut off the side lap to complete the run.
- 8. Fasten Metal Drip Edge...** to the roof deck overlapping the board (Figure 8).
- 9. Install Gutters (if desired)...** towards the top of the board to keep the bottom edge of the gutter from blocking the board's vent slot. The gutter can be fastened to the Cobra® FasciaFlow™ premium intake ventilation using typical residential gutter system attachment methods, such as spikes or hidden hangers. Gutter fasteners should be placed at the built-in fastening ribs to ensure maximum holding power.

Installing With Soffits or New Construction...

Cobra® FasciaFlow™ premium intake ventilation system can be used to enhance the performance of existing soffit panels, undereave vents or soffits with no ventilation. This can help to improve critical attic intake ventilation.

- 1. Install...** Cobra® FasciaFlow™ premium intake ventilation in lieu, of traditional fascia boards.
- 2. Follow The Previous Directions...** regarding fastening, subsequent sections, end caps and gutters.
- 3. For Soffit Installation...** mount a j-channel (if desired) with Cobra® FasciaFlow™ premium intake ventilation to support vinyl, aluminum, or other types of soffit panels (Figure 9).



Figure 7A



Figure 7B



Figure 7C



Figure 7D



Figure 8



Figure 9



For More Information visit www.gaf.com or call 1-800-ROOF-411
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