

Product Evaluation

RV85 | 0720

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: RV-85

Effective Date: July 1, 2020

Re-evaluation Date: July 2024

Product Name: Deck-Air DA-4 Intake and Exhaust Vents

Manufacturer: Lomanco, Inc.
2101 West Main Street
Jacksonville, AR 72076
(501) 982-6511

General Description:

The Deck-Air DA-4 vent is a plastic intake and exhaust vent that is installed along the edge or within the field of an asphalt shingle roof. Each Deck-Air DA-4 section has the following dimensions:

Length: 48"

Width: 15-1/8"

Overall Height: 1"

Limitations:

Design Pressure: -195 psf

Roof Slope: This product must be installed on roofs with a minimum roof slope of 3:12 and a maximum roof slope of 16:12.

Installation:

General Installation Instructions: All requirements specified in the IRC and the IBC must be satisfied and manufacturer's installation instructions followed, unless otherwise specified by this product evaluation.

Roof Deck: The roof deck must consist of plywood wood structural panels with a minimum thickness of 15/32" or solid wood planks, minimum Douglas Fir-Larch, with a minimum nominal thickness of 1".

Attachment of Vent to Roof Deck: The vent must be installed as specified in the manufacturer's installation instructions. Each vent is secured to the roof deck using minimum 2-1/2" long galvanized ring shank nails, with a minimum shank diameter of 0.125" and a minimum head diameter of 3/8". The fasteners are provided with the vent. The fasteners are installed in the 10 nailing holes provided in the vent. Five (5) fasteners are to be used on each side of the vent. Fasteners must be long enough to penetrate completely through the roof deck.

Underlayment and Shingles: Underlayment is installed over the vent under the next layer as required by the IRC, IBC, and the manufacturer's requirements. Starter course shingles and first course shingles are installed as required by the IRC, IBC, and the manufacturer's installation instructions. Do not nail into the ventilation area. The fasteners must penetrate through the vent and into the roof deck.

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC and IBC.