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DIVISION: 07—THERMAL AND MOISTURE PROTECTION
Section: 07720—Roof Accessories

REPORT HOLDER:
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EVALUATION SUBJECT:

ROOF SAVER RIDGE VENT FOR ATTIC VENTILATION

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2000 *International Building Code*®
- 2000 *International Residential Code*®
- 2002 *Accumulative Supplement to the International Codes*™

Properties evaluated:

- Ventilation of attic spaces
- Weather resistance
- Wind uplift resistance
- Roof covering classification

2.0 USES

Roof Saver Ridge Vent is a flexible material that is intended to be installed, in conjunction with eave, cornice or soffit vents, for the purpose of providing natural ventilation of enclosed attic and rafter spaces.

3.0 DESCRIPTION

Roof Saver Ridge Vent is a flexible, single-layer, three-dimensional black matting which is manufactured from natural fibers laid on a polyester mat and joined by latex binding agents. The material has a nominal thickness of $\frac{3}{4}$ inch (19.1 mm) and a nominal weight of 5.0 ounces per square foot (1525 g/m²), and is manufactured in rolls measuring 7.0, 8.5 and 10.5 inches (178, 216 and 267 mm) wide by 20 or 50 feet (6096 or 15 240 mm) long. The vent is intended for use with asphalt roof shingle roof coverings. The net free ventilation area of the vent, when installed with a $\frac{3}{4}$ -inch-high (19.1 mm) opening, is 15.2 square inches per lineal foot (32.173 mm²/m).

4.0 INSTALLATION

Installation of Roof Saver Ridge Vent shall comply with this report and the published manufacturer's instructions. The

manufacturer's published installation instructions shall be available at the jobsite at all times during installation.

4.1 General:

The minimum roof slope shall be 3 units vertical in 12 units horizontal (3:12) (25%). The maximum roof slope shall be 12:12 (100%) where there is a ridge board and 20:12 (167%) where there is no ridge board. On roofs with no ridge board, the minimum nominal width of the opening, measured horizontally, shall be 1 inch (25 mm) on each side of the roof ridge. On roofs with a ridge board, the nominal width of the opening shall be $1\frac{1}{4}$ inches (32 mm) on each side of the ridge board. The last 12 inches (305 mm) of sheathing, inside the exterior wall line at each end of the ridge, shall be left uncut. The ridge vent shall be unrolled over the roof shingles and positioned to completely cover the opening. Shorter lengths of roof vent material are joined by butting the ends together, with no gaps between sections.

The ridge vent material shall be completely covered by the ridge shingles. Ridge shingles are nailed in place with 11 gage corrosion-resistant roofing nails, with minimum $\frac{3}{8}$ -inch-diameter (9.5 mm) heads. The nail length shall be sufficient to penetrate into the sheathing $\frac{3}{4}$ inch (19.1 mm) or through the sheathing, whichever is less. The nails shall be installed on each side of the vent at spacings not exceeding 5 inches (127 mm) on center, or closer where required by the ridge shingle manufacturer, with a minimum of two nails per ridge shingle. Overlap of the ridge shingles shall be in accordance with the roof covering manufacturer's instructions. The ridge shingles shall be installed so that a minimum $\frac{3}{4}$ inch (19.1 mm) of clear space remains between the underside of the ridge shingles and the top surface of the roof shingles. See Figure 1 of this report for typical installation details. The ridge vent, installed as described in this section, shall be limited to installation in areas where the maximum basic wind speed (3-second gust) is 80 miles per hour (129 km/h), on structures a maximum of 40 feet (12192 mm) in height, in Exposure B areas. For use in other areas, see Section 4.2 of this report.

4.2 Wind Deflector:

The ridge vent is permitted for use in areas where the maximum basic wind speed is 80 miles per hour (129 km/h), on structures a maximum of 40 feet (12 192 mm) in height, in Exposure C or D areas, when an aluminum wind deflector is installed. The wind deflector shall be a minimum of 0.032 inch (0.81 mm) thick, with a 2-inch (51 mm) horizontal leg, a $\frac{5}{8}$ -inch-high (16.9 mm) vertical leg and a $\frac{5}{8}$ -inch (15.9 mm), 45-degree extension, and shall be nailed in place over the shingles on each side of an opening cut into the roof sheathing material on each side of the roof ridge, as shown in Figure 2 of this report.

5.0 CONDITIONS OF USE

The Roof Saver Ridge Vent described in this report complies with, or is a suitable alternative to what is specified in, those

codes specifically listed in Section 1.0 of this report, subject to the following conditions:

- 5.1 The ridge vent is manufactured, identified and installed in accordance with this report and the manufacturer's published installation instructions, and the applicable code.
- 5.2 The ridge vent shall be limited to installation on roofs with the minimum and maximum slopes set forth in Section 4.1 of this report.
- 5.3 The ridge vent, installed without the wind deflector described in Section 4.2 of this report, shall be limited to installation in areas set forth in Section 4.1 of this report. The ridge vent installed with the wind deflector is permitted for installation in areas set forth in Section 4.2 of this report.
- 5.4 The minimum ventilation area and required percentage of area between eave or cornice vents and the opening provided by the ridge vent required for the concealed spaces shall be calculated in accordance with the requirements of the applicable code.
- 5.5 The roof diaphragm nailing requirements shall be addressed and the vent installation approved by the

code official.

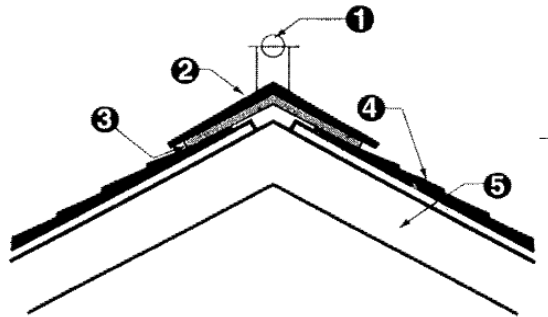
- 5.6 The ridge vent shall be covered with asphalt roof shingles that comply with the requirements of the applicable code. The ridge vent is permitted for use with Class A, B, or C or unclassified roof coverings.

6.0 EVIDENCE SUBMITTED

- 6.1 Manufacturer's descriptive literature and printed installation instructions.
- 6.2 Data in accordance with the ICC-ES Interim Criteria for Attic Vents (AC132), dated January 2001.
- 6.3 Report containing results of testing performed in accordance with UL790 (modified).
- 6.4 A quality control manual.

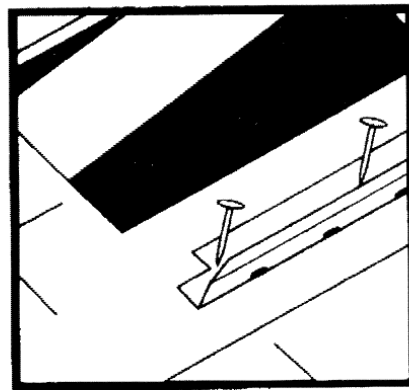
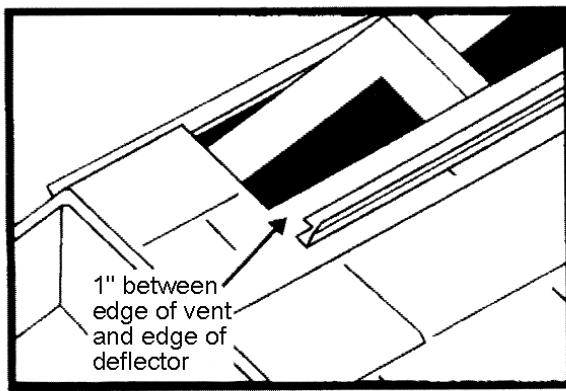
7.0 IDENTIFICATION

Each carton or package of the Roof Saver Ridge Vent shall bear the Blocksom & Co. name and address, the product name, the size, roof covering classification information, and the evaluation report number (ESR-1218), and shall include the installation instructions.

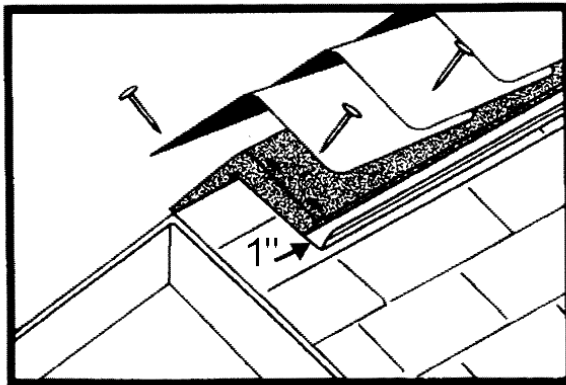


1. Slot in roof sheathing. 2 inches (51 mm) total width. On roof with ridge board construction, total slot width is 3½ inches (89 mm).
2. Ridge shingle covers entire Roof Saver Ridge Vent.
3. Roof Saver Ridge Vent.
4. Roof shingles.
5. Roof framing.

FIGURE 1—TYPICAL APPLICATION DETAILS



Note: Drive nails through deflector



Note: 1 inch = 25.4 mm

FIGURE 2—WIND DEFLECTOR INSTALLATION