



UL Solutions Evaluation Report

UL ER25226-01

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UL Category Code: ULFD – ROOF AND WALL SPECIALTIES AND ACCESSORIES

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DIVISION: 07 00 00 - THERMAL AND MOISTURE PROTECTION

Sub-level 2: 07 70 00 - Roof and Wall Specialties and Accessories

Sub-level 3: 07 72 00 - Roof Accessories

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UL Solutions Evaluation Report

1. Subject

UFT107 and UFTWUI Universal Flat Tile Roof Vents

2. Scope of evaluation

- 2024, 2021, 2018 *International Building Code*® (IBC)
- 2024, 2021, 2018 *International Residential Code*® (IRC)

The products were evaluated for the following properties:

- Net Free Ventilation Area (AC132, Section 4.1)
- Wind Driven Rain: FBC HVHZ, TAS 100(A)
 - Rain and Snow Resistance
 - Wind Resistance

3. Referenced documents

- Florida Building Code (High Velocity Hurricane Zones) Test Application Standard TAS 100(A)-95
- ICC ES Acceptance Criteria for Attic Vents (AC132)
- ICC ES Acceptance Criteria for Quality Documentation (AC10)

4. Uses

The Universal Flat Tile Roof Vents are roof vents for use as intake or exhaust or both to provide natural ventilation of enclosed attics or rafter spaces in accordance with the IBC Sections 1202.2 and 1202.2.2 and the IRC Section R806. These vents may also be used in conjunction with eave, cornice, soffit, roof, and ridge vents. These vents are intended for use with low-profile (flat) concrete, clay, and other roof tiles.

5. Product description

5.1 General

The Universal Flat Tile Roof Vents are manufactured from corrosion resistant steel as specified in the material standards of IBC Section 1507.4.3 and IRC Section R905.10.3 for galvanized steel. Reference top vent and base vent diagrams at the end of this report.

5.2 UFT107

The Universal Flat Tile Roof Vent UFT107 is supplied as a two-part assembly comprised of the base vent and top cover. The base vent is made from 0.019 inch (minimum) thick galvanized steel having nominal dimensions of 11 inches wide by 24 inches long by 0.9 inches tall with a ventilation opening having nominal dimensions of 7 inches wide by 19 inches long. The base vent's ventilation opening is covered with a 4-mesh (nominal 1/4 inch openings) galvanized steel screen. The top cover is made from 0.015 inch (minimum) thick galvanized steel having nominal dimensions of 19.1 inches wide by 30 inches long by 2 inches tall having ventilation openings incorporated on each side and front. The ventilation openings are covered with a 16-mesh (nominal 1/16 inch openings) aluminum screen.

UL Solutions Evaluation Report

5.3 UFTWUI

The Universal Flat Tile Roof Vent UFTWUI is supplied as a two-part assembly comprised of the base vent and top cover. The base vent is made from 0.019 inch (minimum) thick galvanized steel having nominal dimensions of 11 inches wide by 24 inches long by 0.9 inches tall with a ventilation opening having nominal dimensions of 7 inches wide by 19 inches long. The base vent's ventilation opening is covered with a 8-mesh (nominal 1/8 inch openings) galvanized steel screen. The top cover is made from 0.015 inch (minimum) thick galvanized steel having nominal dimensions of 19.1 inches wide by 30 inches long by 2 inches tall having ventilation openings incorporated on each side and front. The ventilation openings are covered with a 16-mesh (nominal 1/16 inch openings) aluminum screen.

5.4 Net Free Ventilation Area (NFVA)

The Net Free Ventilation Area for the device is the sum of the net free areas determined for all airways in the installed device.

Model	NFVA (in. ²)
UFT107	107
UFTWUI	91

6. Installation

Universal Flat Tile Roof Vents shall be installed in accordance with the applicable code, this report and the manufacturer's published installation instructions. The manufacturer's published installation instructions shall be available at all times on the jobsite during installation.

The required ventilation area must be determined and sufficient quantity of vents must be installed to provide ventilation in accordance with IBC Sections 1202.2 and 1202.2.2 or IRC Section R806. Each vent is marked with the product's NFVA when installed in accordance with the manufacturer's installation instructions.

6.1 Roof Slope

Universal Flat Tile Roof Vents shall be installed on roofs having slopes a minimum of 3:12 (25 percent slope) and a maximum 16:12 (133 percent slope) and must be installed in accordance with the manufacturer's detailed installation instructions.

6.2 Wind Resistance

The Universal Flat Tile Roof Vents are limited to being installed:

- In areas subject to a maximum basic wind speed of 130 mph (209 km/hr) on structures having a mean roof height of 40 feet (12.2 m) or less in Exposure D areas as specified in the 2024 IBC.
- In areas subject to a maximum basic design wind speed of 130 mph (209 km/hr) on structures having a mean roof height of 40 feet (12.2 m) or less in Exposure D areas as specified in the 2021 IBC and 2018 IBC.
- In areas subject to a maximum ultimate design wind speed of 130 mph (209 km/hr) on structures having a mean roof height of 40 feet (12.2 m) or less in Exposure D areas as specified in the IRC.

6.4 Fire Classified Roof Covering

The Universal Flat Tile Roof Vents may be installed with classified Class A, B, or C roof coverings.

UL Solutions Evaluation Report

7. Conditions of use

The Universal Flat Tile Roof Vents as described in this report, complies with, or are suitable alternatives to, what is specified in those codes listed in Section 2 of this report, subject to the following conditions:

- 7.1 The products must be manufactured, identified, and installed in accordance with this report, the manufacturer's published installation instructions, and the applicable code. If there is a conflict between the manufacturer's published installation instructions and this report, this report governs.
- 7.2 The Universal Flat Tile Roof Vents are limited to installation on roofs having a minimum or maximum slope as specified in Section 6 of this report.
- 7.3 The Universal Flat Tile Roof Vents may be used in Classified or non-Classified roof covering systems having low-profile (flat) concrete, clay, and other roof tile roof coverings.
- 7.4 Lomanco Inc Universal Flat Tile Roof Vents are manufactured at the following locations under the UL Solutions Evaluation Report Program, which includes audits in accordance with the quality elements of ICC-ES Acceptance Criteria for Quality Documentation, AC10.

Manufacturer Name	City, State	Factory Identification
Lomanco Inc	Jacksonville, AR	None

8. Supporting evidence

- 8.1 Data in accordance with ICC-ES Acceptance Criteria for Attic Vents (AC132), as necessary.
- 8.2 Manufacturer's descriptive product literature, including installation instructions.
- 8.3 Documentation of quality system elements described in AC10.

9. Identification

The packaging and the Universal Flat Tile Roof Vents covered in this evaluation report are identified by a marking bearing the report holder's name (Lomanco Inc), the product designation, and the evaluation report number "UL ER25226-01." The net free ventilation area is provided on each vent. Plant identification is found on the packaging. The validity of the evaluation report is contingent upon this identification appearing on the product or on the smallest unit container in which the product is packaged.

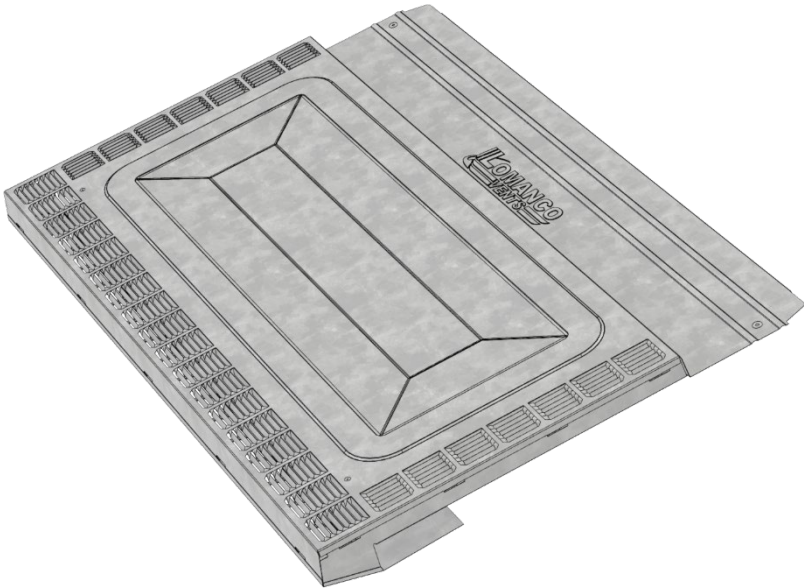
ID Location	Carton	Product	Both
Identification	Manufacturing Location	NFVA	Lomanco Inc Product Name Designation UL ER25226-01

UL Solutions Evaluation Report

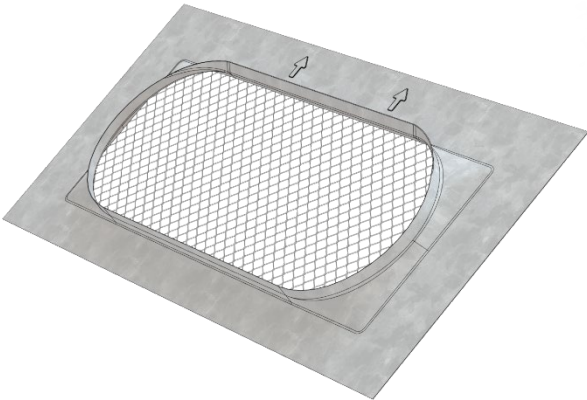
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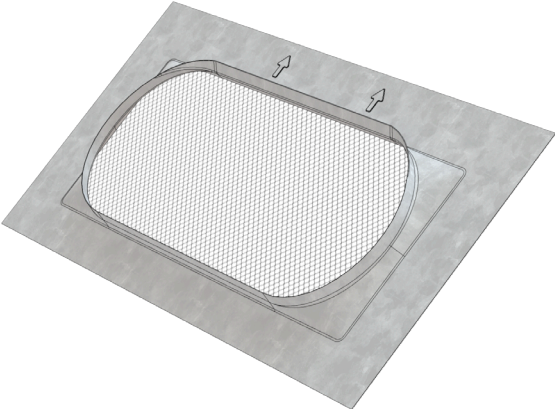
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UFT107 and UFTWUI Top Cover



UFT107 Base Vent (4 Mesh)



UFTWUI Base Vent (8 Mesh)

UL Solutions Evaluation Report

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