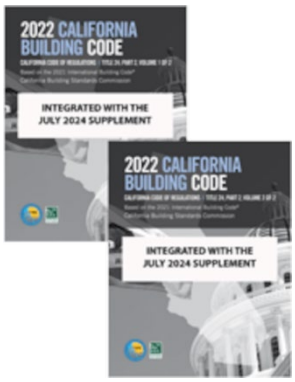
2022 CALIFORNIA BUILDING CODE – Title 24, Part 2 (Volumes 1 & 2) with July 2024 Supplement



CHAPTER 7A [SFM] MATERIALS AND CONSTRUCTION METHODS FOR EXTERIOR WILDFIRE EXPOSURE

SECTION 706A – VENTS

706A.1 General.
Where provided, ventilation openings for enclosed attics, gable ends, ridge ends, under eaves and cornices, enclosed eave soffit spaces, enclosed rafter spaces formed where ceilings are applied directly to the underside of roof rafters, underfloor ventilation, foundations and crawl spaces, or any other opening intended to permit ventilation, either in a horizontal or vertical plane, shall be in accordance with Section 1202 and Sections 706A.1 through 706A.2 to resist building ignition from the intrusion of burning embers and flame through the ventilation openings.

706A.2 Requirements.
Ventilation openings shall be fully covered with Wildfire Flame and Ember Resistant vents approved and listed by the California State Fire Marshal, or Wildland Urban Interface (WUI) vents tested to ASTM E2886 and listed, by complying with all of the following requirements:

1. There shall be no flaming ignition of the cotton material during the Ember Intrusion Test.
2. There shall be no flaming ignition during the Integrity Test portion of the Flame Intrusion Test.
3. The maximum temperature of the unexposed side of the vent shall not exceed 662°F (350°C).

706A.2.1 Off ridge and ridge vents.
Vents that are installed on a sloped roof, such as dormer vents, shall comply with all of the following:

1. Vents shall be covered with a mesh where the dimensions of the mesh therein shall be a minimum of 1/16-inch (1.6 mm) and shall not exceed 1/8-inch (3.2 mm) in diameter.
2. The mesh material shall be noncombustible.
3. The mesh material shall be corrosion resistant.

The following Lomanco vent models meet the prescriptive language of the California WUI Code:
(**Note:** See footnotes for the vents that are marked.)

- 135 Roof Vent
- 550S Roof Vent
- 600 Series Roof Vents
- 750S / 750GS / 750ES / 750GES Roof Vents
- 2000 / 2000TH Power Vents
- DRB24 Cupola
- UFTWUI Flat Tile Vent
- DA4 Intake / Exhaust Vent[1]
- LOR30 Ridge Vent[1]
- LOR9-4 / LOR9-4FR Ridge Vents[1]
- OR4 Series Ridge Vent[1]
- OR20 Ridge Vent[1]
- PRO4 Series Ridge Vent[1]
- IV9 Tile Vent[2]
- TRV4 Tile Ridge Vent[1]

[1] A noncombustible, corrosion resistant mesh with an opening that measures a minimum 1/16-inch (1.6 mm) and maximum 1/8-inch (3.2 mm) must be installed over the vent to meet the prescriptive code language. Check with local building officials for approval before use.

[2] The IV9 is installed underneath the field tile, making it have no exposed surfaces. Check with local building officials for approval before use. A mesh meeting the requirements above may still need to be installed over the vent.

Austin, Texas – Code of Ordinances
TITLE 25 – LAND DEVELOPMENT
CHAPTER 25-12 – TECHNICAL CODES
ARTICLE 8 – WILDLAND-URBAN INTERFACE (WUI) CODE

On April 9, 2020 the Austin City Council voted to approve the new 2015 International Wildland-Urban Interface Code (WUIC), making Austin the first major city in the state of Texas to adopt such a code.

WUI REQUIREMENTS FOR VENTS

504.10 Vents

Each attic ventilation opening, foundation or underfloor vent, or other ventilation opening in a vertical exterior wall and each vent through a roof may not exceed 144 square inches (0.0929 m^2). These vents must be covered with non-combustible corrosion-resistant mesh with openings that are 1/8-inch (3.3 mm) or less or must be designed and approved to prevent flame or ember penetration into the structure.

NON-COMBUSTIBLE
WUI APPROVED VENTS (INTERNAL METAL MESH INCLUDED)

135 Roof Vent	750S Roof Vent	750GES Roof Vent
550S Roof Vent	750GS Roof Vent	2000 / 2000TH Power Vents
600 Series Roof Vents	750ES Roof Vent	

Click the following link to access the latest WUI Approved Materials List, WUI interactive maps, and other WUI related information: https://www.austintexas.gov/department/wildland-urban-interface-code

APPROVED METHOD OF INSTALLATION (COMBUSTIBLE & NON-MESHED VENTS)

For non-approved plastics vents made from combustible materials and metal vents without a code compliant mesh, the ventilation opening in the roof sheathing can be covered with a non-combustible corrosion-resistant mesh with 1/8-inch or smaller mesh prior to installation of the vent.

Check with your local fire or code officials regarding the installation of the code compliant mesh **prior** to the installation of any non-approved vent. An initial and/or final inspection may be required. Coordinate these activities with local fire or code officials.

A code compliant mesh can be installed with any Lomanco vent model that is not listed on the WUI Approved Materials List. The following is a non-inclusive list of some popular Lomanco vent models that require a code compliant mesh to be installed over the ventilation opening prior to installation of the vent.

APPROVED INSTALLATION WITH ADDED CODE COMPLIANT MESH

DA4 Intake / Exhaust Vent	OR4 Series Ridge Vent	12” Whirlybird Turbine Vent
LOR30 Ridge Vent	OR20 Ridge Vent	14” Whirlybird Turbine Vent
LOR9-4 Ridge Vent	PRO4 Series Ridge Vent	GT12 Whirlybird Turbine Vent