

Windows/Doors/Skylights

Exterior Windows, Skylights & Door Glazing:

- Have a minimum of one-pane tempered
- Be constructed of glass block units
- Have a fire-resistance rating of at least 20 minutes
- Be tested to meet State Fire Marshal (SFM) Standard 12-7A-2
- Operable skylights shall have noncombustible screens with max 1/8" openings

Exterior Doors:

- Exterior surface is non-combustible
- Exterior surface is ignition resistant
- Solid core wood material not less than 1 3/8" thick
- Door with a fire-resistance rating of at least 20 minutes

This is easily achieved with exterior doors that are readily available at many hardware stores with either solid core doors or metal doors. Garage doors shall also be weather stripped to prevent the intrusion of embers for any gaps over 1/8" in size.

Decking

Walking Surface Material of Decks, Porches, Balconies, & Stairs:

- Materials that comply with ASTM E2632 & E2726
- Ignition resistant materials that comply with ASTM E84 or UL 723
- Materials that comply with SFM Standard 12-7A-4, 5
- Exterior fire retardant treated wood
- Noncombustible material
- Class B listed deck materials



Many common deck materials meet these testing standards such as redwood decking and some composite decking materials. Consult with a licensed CA contractor and your local materials supplier to review materials listing of deck material prior to purchasing them.

Tips

- Becoming more fire safe does not entail completing one of these components. It is the combination of making your structures more fire resistant, improving vegetation management on your property, as well as having a good evacuation plan in an emergency.
- Many of the materials listed in this brochure are readily available in many local material supply businesses. If you have questions about what materials to use, consult with a licensed contractor or your local Building Department for guidance.
- The State Fire Marshal has a materials listing website where you can search for compliant WUI building materials from siding, decking, and much, much more. The site is:

http://osfm.fire.ca.gov/licensinglistings/licenselisting_bml_searchcotest

Helpful Links

www.fire.ca.gov/fire_prevention

www.wildlandfirersg.org

www.usfa.fema.gov/wui_toolkit/

www.readyforwildfire.org/

<https://yubanet.com/Fires/>

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Please keep in mind that this is not a complete list of WUI codes/standards. If you have any questions or would like more information regarding the new and updated material, contact the Nevada County Building Department at (530) 265-1222 / BuildingDept@co.nevada.ca.us or visit us at www.mynevadacounty.com



Grass Valley Building
Department
125 East Main Street
Grass Valley, CA 95945
(530) 274-4340
www.cityofgrassvalley.com



Nevada County Building
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950 Maidu Avenue
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(530) 265-1222
www.mynevadacounty.com

"Partnering to Improve Consistency & Customer Service"

Wildland Urban Interface (WUI) Construction Standards



Help Protect Your Structures From Wildfire

WUI Building Codes

Based on the 2019 California Building Code
Chapter 7A

Applicability

These standards apply to buildings constructed after January 1, 2008 and located in a designated Fire Hazard Severity Zone or any Wildland-Urban Interface Fire Area. The vast majority of Nevada County is in these designated areas. Although older buildings are not required to be retrofitted per the current standards these construction practices can be implemented to help improve the fire resistance of the structures on your property.

Vegetation Management

Vegetation shall be managed in accordance with CA Fire Code Sec. 4906 and Public Resources Code 4291. These sections require vegetation management with clearances of 100ft to structures. See Vegetation Clearance Handout for details/complete information.

Roofing

- Roofing material shall have a Class A fire rating.
- Roofing valley metal flashing shall be minimum 26 gage with 36" wide 72lb cap sheet underlayment installed.
- Roof gutters shall have debris guards installed.

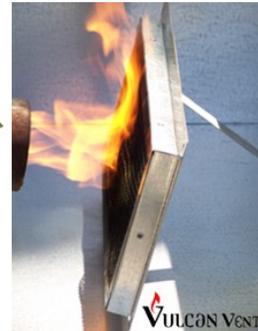
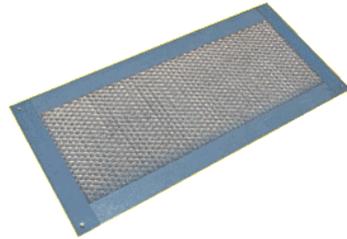


Many of your common roofing materials are Class A listed depending on how they are installed. Consult with a licensed roofing contractor for roofing options.

Roof/Underfloor Vents

Vents on Underside of Eaves:

- Shall be listed ignition resistant vents in accordance with ASTM E2886, OR
- Attic space is protected by automatic fire sprinkler system, OR
- Vent is located 12ft above the ground, walking surface, deck, etc. and has openings between 1/8"-1/16".



Gable End, Roof, & Underfloor Vents:

- Shall be listed ignition resistant vents in accordance with ASTM E2886, OR
- Vent shall have openings between 1/8"-1/16" , be noncombustible, and corrosion resistant.

Building Exterior

Exterior Walls:

- Noncombustible material
- Ignition-resistant material
- Heavy timber material
- Log wall construction
- One layer of 5/8" Type X gypsum board applied under siding material



Overhanging Appendages

Open Roof Eaves:

- Noncombustible material
- Ignition-resistant material
- One layer of 5/8" Type X gypsum board applied under exterior covering
- Exposed 2" nominal wood



Using 2x Tongue and Groove materials on open eaves with the combination of roof attic vents is a good option for both fire safety and aesthetics.

Enclosed Roof Eaves, Exterior Porch Ceilings, Floor Projections, & Underside of Appendages:

- Noncombustible material
- Ignition-resistant material
- One layer of 5/8" Type X gypsum board applied under exterior covering

