



COUNTY OF RIVERSIDE BUILDING AND SAFETY DEPARTMENT

MATERIALS AND CONSTRUCTION METHODS FOR EXTERIOR WILDFIRE EXPOSURE

This handout identifies the requirements of chapter 7A of the 2019, California Building Code (CBC) and Section R337, of the Residential (CRC)

Application date and where required:
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Ventilation openings shall be fully covered with metal wire mesh, vents, other materials or other devices that meet the following requirements:

1. The dimensions of the openings ther in shall be a minimum of 1/16-inch and shall not exceed 1/8-inch.
2. The maerials used shall be noncombustible. Exemption: Vents located under the roof coevering, along the ridge of roofs, with the exposed surface of the vents covered by noncombustible wire mesh, may be of combustible materials.
3. The materials used shall be corrosion resistant.

All new roofing shall be at least class A

The exterior wall covering must be:

1. Noncombustible material *
2. Ignition-resistant material
3. Heavy timber exterior wall assembly

Exterior wall architectural trim, embellishments, fascias, and gutters do not require protection

Exterior porch ceilings:

1. Noncombustible material
2. Ignition-resistant material

One layer of 5/8-inch Type X gypsum sheathing applied behind the exterior covering on the underside of the ceiling.

Exterior windows and glazed doors shall be:

1. Constructed of multi pane glazing with a minimum of one tempered pane meeting the requirements of Section 2406 Safety Glazing, or
2. Constructed of glass block units, or
3. Have a fire-resistance rating of not less than 20 minutes when tested according to NFPA 257, or
4. Tested to meet the performance requirements of SFM Standard 12-7A-2 708A.2.2 Structural glass veneer.

Guardrails shall be ignition resist or min 2x nominal framing.

All Exterior doors:

1. The exterior surface or cladding shall be of noncombustible or ignition-resistant material
2. Shall be constructed or solid core wood (1-3/8" with min 1-1/4" min panels)
3. Shall have a fire-resistance rating of not less than 20 minutes. **



Exposed wood beams shall be sawn or glued laminated
• With smallest minimum nominal dimension of 4 inches.

Exposed wood columns shall be sawn or glued laminated
• With smallest minimum nominal dimension 4 inches.

** Garage doors shall: Resist the intrusion of embers by preventing gaps by the items listed per 708A.4

*Non-combustible material (Stucco, Metal)



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APPLICABILITY OF FIRE HAZARD ZONE REQUIREMENTS TO NEW CONSTRUCTION

THIS HANDOUT IDENTIFIES THE REQUIREMENTS OF CHAPTER 7A OF THE 2019, CALIFORNIA BUILDING CODE (CBC) AND SECTION R337, OF THE RESIDENTIAL BUILDING CODE (CRC)

