

County of Lake
Community Development department
Ignition Resistant Construction
2016 California Residential Code Section CRC 337.4

(CRC 337.4.3) Ignition-Resistant Materials – Shall be determined in accordance with the test procedures set forth in SFM standard 12-7A-5 "*Ignition-Resistant Material*" or in accordance with this section.

(CRC 337.1.5) Vegetation management – All grass within 30'-0" of structures to be eliminated, or ignition resistant with all trees within 100'-0" trimmed up to 10'-0".

(CRC 337.5.2) Spaces between - The roof cover and roof sheathing shall be blocked so that embers may not enter the space.

(CRC 337.5.3) Roof valleys - Shall be not less than 0.019-inch (0.48mm) No. 26 gage galvanized sheet corrosion-resistant metal over not less than 72-pound (32.4 kg) mineral-surfaced non-perforated cap sheet complying with ASTM 3909, at least 36-inches wide (914mm) running the full length of the valley.

(CRC 337.5.4) Gutters - Shall be provided with a means to prevent the accumulation of leaves and debris.

(CRC 337.6) Vents -

- a. Minimum 1/16th inch (1.6mm) maximum 1/8th inch (3.2mm) openings.
- b. Materials to be noncombustible and corrosion resistant.
- c. Shall not be installed on the underside of eaves and cornices unless the enclosed area is protected by a sprinkler system, or the vents are located more than 12 feet above the ground or walking surface below, and all exterior surfaces of the structure are Ignition-resistant.

(CRC 337.7.3) Exterior coverings- Shall be noncombustible, Ignition-resistant, Heavy-timber, Logs, a 10-minute wall assembly tested per SFM Standard 12-7A-1, one layer of 5/8-inch Type X gypsum sheathing under siding or an approved one-hour fire rated wall assembly.

(CRC 337.7.2) Open roof eaves- May be minimum 2-inch thick rafter tails with solid blocking between them covered by roof sheathing that is noncombustible, Ignition-resistant, covered on the exposed side with one layer of 5/8-inch Type X gypsum sheathing, or an approved one hour roof assembly.

(CRC 337.7.5) Enclosed roof eaves- Shall be protected by noncombustible material, Ignition-resistant material, one layer of 5/8-inch Type X gypsum sheathing under the siding, an approved one-hour assembly, or other materials complying with SFM Standard 12-7A-3 or ASTM E2957.

(CRC 337.7.6) Exterior porch ceilings- Shall be protected by noncombustible material, Ignition-resistant material, one layer of 5/8-inch Type X gypsum sheathing under the siding, an approved one-hour assembly, or other materials complying with SFM Standard 12-7A-3.

(CRC 337.7.7-9) Underfloor protection of overhangs and appendages and cantilevers- Shall be enclosed to grade with materials that are noncombustible, Ignition-resistant, one layer of 5/8-inch Type X gypsum sheathing under the siding, an approved one-hour assembly, or other materials complying with SFM Standard 12-7A-3.

(CRC 337.8.2.1) Exterior windows (glazing) and glazing in doors- Shall be multipane glazing with a minimum of one tempered pane (**CBC 2406-Safety Glazing**), glass block, a 20-minute rated fire assembly (NFPA 275), or a tested material or assembly that meets the SFM Standard 12-7A-2.

(CRC 337.8.3) Exterior doors- Exterior surface shall be noncombustible, Ignition-resistant, or the door may be minimum 1 3/8-inch thick solid wood. Raised panels shall not be less than 1 1/4-inch thick and may be tapered to 3/8-inch thick at edges.

(CRC 337.9) Decking, Porches, Balconies and Stairs- Within 10 feet of ground level shall be Ignition-resistant materials (SFM Standard 12-7A-4 & SFM Standard 12-7A-5), exterior fire retardant treated wood, noncombustible, materials that comply with ASTM E 84 with a class B flame spread rating, or other materials that conform to SFM Standard 12-7A-4.

(CRC 337.10) Accessory and miscellaneous structures- Trellises, arbors, patio/deck covers, carports, gazebos and similar structures attached or detached to the primary structure shall also comply with this section.