

California Wildfire Mitigation Program (CWMP)



Minimum Quality Standards




CWMP Minimum Quality Standard


- The California Wildfire Mitigation Program's, "Minimum Quality Standards" provides direction to project participants on the program's expectation of standards of quality for materials and performance of work.
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Integration
and use of
state and
nationally
recognized
codes and
standards

- Public Resources Code 4291
 - Defensible Space
- Local Defensible Space Ordinances
- California Building Code (CBC)
 - Chapter 7A Materials and Construction Methods For Exterior Wildfire Exposure
 - Roofing
 - Vents
 - Exterior coverings
 - Exterior Windows, skylights and doors
 - Decking
 - Accessory buildings and miscellaneous structures

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Integration and use of nationally recognized codes and standards

- California Building Code - Other chapters
 - Chapter 12 Interior Environment (Vents)
 - Chapter 14 Exterior Walls
 - Chapter 15 Roof Assemblies
 - California Fire Code
 - Chapter 61 - Liquefied Petroleum Gases
 - Title 14 of the California Code of Regulations (14 CCR) -Minimum Fire Safe Regulations
 - California Energy Code
 - Product manufacturer's installation instructions
 - Local Amendments to State Codes
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Defensible Space Zone 0 Minimum Quality Standards

- Roof Combustible Material Removal
- Combustible Material Removal
- Firewood Relocation
- Firewood Removal
- Stump Removal
- Vegetation Removal
- Tree Felling
- Tree Limbing
- Hardscaping



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Defensible Space Zone 1 Minimum Quality Standards

- Cutting of Annual Grasses and Forbs
- Stump Removal
- Firewood Relocation
- Firewood Removal
- Vegetation Removal
- Tree Felling
- Tree Limbing



Defensible Space Zone 2 Minimum Quality Standards

- Cutting of Annual Grasses and Forbs
- Tree Felling
- Tree Limbing
- Vegetation Removal



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Other Defensible Space Minimum Quality Standards

- Building Address Retrofit
- Chimney Spark Arrestor Retrofit
- Propane Tank Retrofit
- Propane Tank Vegetation Clearance



Roof Minimum Quality Standards

- Roof Covering/Assembly Retrofit
- Roof Assembly Openings or Gaps Retrofit
- Roof Drip Edge Retrofit
- Roof Valley Retrofit
- Roof Gutter Cover Retrofit
- Roof Gutter Retrofit
- Roof Combustible Attachment Retrofit



Vent Minimum Quality Standards

- Off Ridge and Ridge Vent Retrofit
- All Vents Except (Off Ridge and Ridge Vents) Retrofit



Exterior Covering Minimum Quality Standards

- Exterior Covering Full Retrofit
- Exterior Covering Partial Retrofit - Bottom 2 Feet
- Combustible Wall at Roof Intersection Retrofit
- Combustible Wall at Roof Intersection Flashing Retrofit
- Combustible Wall at Above Deck Intersection Retrofit
- Combustible Wall at Below Deck Intersection Retrofit
- Existing Open Roof Eaves or Enclosed Roof Eaves and Roof Eave Soffits Retrofit
- Enclosed Roof Eaves and Roof Eave Soffits Conversion Retrofit
- Exterior Porch Ceilings, Floor Projections, Underfloor Protection or Underside of Appendages Retrofit
- Exterior Covering Gaps or Openings Retrofit

Exterior Windows, Skylights and Doors Minimum Quality Standards

- Exterior Window Retrofit
- Window Screen Retrofit
- Skylight Replacement Retrofit
- Skylight Flashing Retrofit
- Door Retrofit
- Door Partial Retrofit
- Exterior Sliding or Swinging Screen Door Repair or Replacement
- Garage Door Full Retrofit
- Garage Door Partial Retrofit
- Garage Door Perimeter Gap Retrofit

Attachments Minimum Quality Standards

- Deck Full Retrofit
- Deck Partial Retrofit
- Stairs Full Retrofit
- Stairs Partial Retrofit
- Combustible Fence/Gate Retrofit
- Retaining Wall Retrofit
- Awning and Coverings Retrofit
- Pergola or Trellis Retrofit

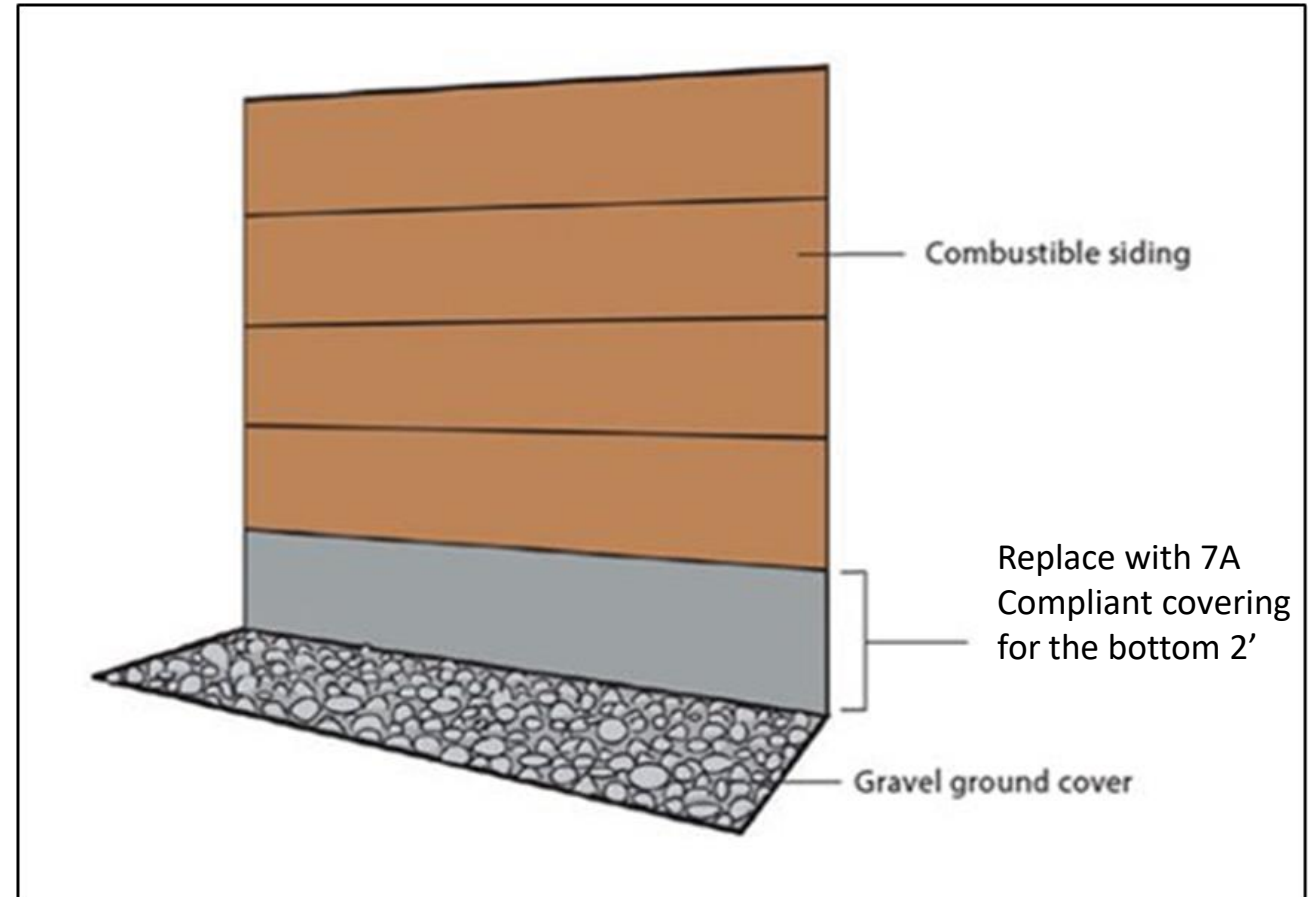


Accessory Buildings & Miscellaneous Structures Minimum Quality Standards

- Accessory Buildings - Removing
- Accessory Buildings - Relocating
- Accessory Buildings - Retrofitting
- Miscellaneous Structures- Removing
- Miscellaneous Structures - Relocating
- Miscellaneous Structures - Retrofitting
- Miscellaneous Structures - Fence Retrofit
- Miscellaneous Structures - Retaining Wall Retrofit

Recommended Retrofit

- **Retrofit** - Exterior Covering
Partial Retrofit - Bottom 2 Feet
- **Performance Goal** - Prevent embers, windblown debris and local fuels from igniting the wall
- **Hardening Action** - Replace exterior wall covering with noncombustible material for the bottom 2 ft (from ground); add metal flashing to protect bottom edge of sheathing



Example Minimum Quality Standard

- Replace exterior wall covering for the bottom 2 ft (from ground).
- The replacement of the exterior covering shall comply with one or more of the following requirements as described in CBC 707A.3 Exterior Wall Coverings or R337.7.3 Exterior Wall Coverings:
 - Noncombustible material
 - Ignition-resistant material. The ignition-resistant material shall be labeled for exterior use and shall meet the requirements of Section 704A.2.
 - Fire-retardant-treated wood. The fire-retardant-treated wood shall be labeled for exterior use and shall meet the requirements of Section 2303.2.
- The installation of the exterior covering shall comply with the products manufacturer's installation instructions.

Example: Minimum Quality Standard

- The installation of the exterior covering shall comply with CBC Chapter 14 Exterior Walls, Section 1404.1-1404.18 or CRC Chapter 7 Wall Covering, Section R703.1-703.17.
- Wall penetrations shall be protected by an approved penetration firestop system installed as tested in accordance with ASTM E119, ASTM E814, UL 263, or UL 1479 with a positive pressure differential of not less than 0.01 of an inch of water (0.002 kPa).
- Replacement building components shall have a primer and paint applied that matches current the building color.
- Building components being replaced will be the responsibility of the contractor to remove and disposed of at an approved disposal site

Any Questions ?

