



CITY OF RIALTO

Building Division Re-Roof Requirements

The City of Rialto has adopted the California Building Code (CBC) and the California Building Energy Efficiency Standards (CBEES). These documents govern the requirements for the re-roofing of existing structures within the City of Rialto.

1. No building shall be re-roofed without first obtaining a permit. The City of Rialto has generally defined a re-roof as the replacement of more than 25% of a structures roof covering within any 12 month period;
2. All permit applications shall include a completed Re-Roof Work Sheet;
3. All roofing shall be installed per all applicable sections of the CBC, CBEES and the manufacturer's installation specifications;
4. All roofing materials shall be tested and labeled by the Cool Roof Rating Council(CRRC) as indicated on the 2008 CEC Cool Roof Requirements handout. This handout includes multiple exceptions to the Cool Roof requirements;
5. New roofing shall not be installed over any existing wood shake, slate, cement or tile roofing, or over any other type of roofing that is badly deteriorated;
6. New roofing shall not be installed over any existing roof that has three (3) or more layers of any type of roofing (original plus two (2) overlay);
7. Built-up roofs shall be completely removed to allow the existing roof sheathing to be inspected. Final inspection is also required;
8. Metal coping is required on the tops of all parapet walls;
9. Structural calculations are required for the installation of any roofing material that exceeds 6.5psf in weight regardless of the type of existing roofing;
10. A pre-alter inspection is required inspection is required for layovers. A sheathing inspection is required on tear offs.
11. Final inspection is required for all re-roofs;
12. An OSHA approved ladder of sufficient height shall be provided by the contractor for all inspections. (**Ladder must exceed 2' above roof line for safety**);
13. A copy of the manufacturer's installation specifications, the CRRC label and the job card shall be available on site for all inspections.

Residential Re-Roof Energy Compliance Requirements

Important information to re-roof permit

The California Energy Commission (CEC) has adopted new requirements for re-roofing projects.

Beginning January 1, 2010, when more than 50% of the exterior surface of the roof or more than 1,000 sq. ft. of a roof is replaced, whichever is less, the roofing product must meet the following prescriptive requirements for Cool Roofs.

Roofing products that are used for compliance with the energy standards are required to be tested and labeled by the Cool Roof Rating Council (CRRC).

The roofing products manufacturer must have its roofing product tested for solar reflectance and thermal emittance, and be listed in the CRRC's Rated Product Directory (see www.coolroofs.org) and be labeled according to CRRC procedures.

1. Materials with a density of less than 5psf (asphalt shingles, metal roofing etc.) shall have a minimum aged solar reflectance of 0.20 and a minimum thermal emittance of 0.75, or it shall have a minimum Solar Reflectance Index (SRI) of 16;
2. Materials with a density of 5psf or more (concrete tile, slate, etc.) shall have a minimum aged solar reflectance of 0.15 and a minimum thermal emittance of 0.75, or it shall have a minimum SRI of 10;

Cool Roof Alternatives

Alternatives: When any of the options in terms of through below are used, they are considered equivalent to the reflectance, emittance and SRI requirements described in terms 1 and 2 above. Please check one of the following:

- Buildings with minimum R-30 ceiling insulation;
- Buildings with a compliant radiant barrier in the attic;
- Buildings that have no HVAC ducts in the attic;
- Buildings with existing ducts in the attic that are insulated and sealed with HERS verification. CF-4R form required;
- Buildings with 1sf of free ventilation area for every 150sf of attic area, and where at least 30% of the free ventilation area is within 2' vertical distance of the roof ridge;
- Buildings with minimum R-3 roof deck insulation above a vented attic;
- Buildings where insulation with a thermal resistance of at least 0.85hr*F/BTU or at least a 3/5" air space is added to the roof deck over the attic;
- Buildings with roof slopes of less than 2:12 (residential only).