



**COMMUNITY DEVELOPMENT DEPT.**

701 Laurel Street  
Menlo Park, CA 94025  
650.330.6704

**Residential Re-roofing Requirement per 2010 California Energy Code (CEC)**

The 2010 CEC now mandates that new roofing materials for residential roofs shall comply with its COOL ROOF requirements when more than 50 % of the existing roof or more than 1000 sq. ft. of existing roofing materials are replaced. All roofs with a slope greater than 2:12 and roofing products with a weight that are 5 pounds per square foot or more (such as concrete tiles, clay tiles, slate and others) are being installed shall meet one of the following conditions:

- Minimum aged solar reflectance index (SRI) of 0.15 and thermal emittance of 0.75
- Minimum SRI=10

SRI for white=100 SRI for black SRI=0.

Roofs with a slope equal to or less than 2:12 and roofs with a slope greater than 2:12 and roofing products with a weight that is less than 5 pounds per square foot are to be installed are exempt from the cool roof requirement.

Roof product shall be tested and labeled by the Cool Roof Rating Council (CRRC) <http://www.coolroofs.org> and please note that Energy Star cool roof products are not acceptable under 2008 CEC.

Under the 2008 CEC Prescriptive Method requirements as described above, CF-1R-ALT and MF-1R forms are required to be submitted at the time of re-roof permit application.

The Compliance Method shall be based on one of the following programs:

- 1) CalRes Version 2008
- 2) Energy Pro, version 5.0
- 3) Mircopass version 8.0