City of Tracy
333 Civic Center Plaza
Tracy, CA 95376

**DEVELOPMENT &
ENGINEERING SERVICES**

MAIN 209.831.6400
FAX   209.831.6439
www.ci.tracy.ca.us

**2008 BUILDING ENERGY EFFICIENCY STANDARDS
EFFECTIVE JANUARY 1, 2010**

PRESCRIPTIVE RESIDENTIAL REROOF REQUIREMENTS FOR ROOF SLOPES OVER 2/12

➢ **Cool Roofs** are required for habitable space and requirements are triggered when either more than 50% of the roof area or more than 1,000 ft^2, whichever is less, is replaced.

➢ **Cool Roofs** shall be tested and labeled by the Cool Roof Rating Council (CRRC).

➢ The roofing product's manufacturer shall have its roofing product listed in the CRRC's Rated Product Directory (www.coolroofs.org).

➢ Prescriptive requirements for roofing materials:

1. Less than 5lb/ft^2 (asphalt shingles and metal roofs), requires minimum Aged Reflectance/Emittance values of 0.20/0.75 or a minimum Solar Reflectance Index (SRI) of 16 (Building Permit Application must specify the weight, manufacturer, brand, model, and color of the product being used).

2. 5lb/ft^2 or more (tile roofs), requires minimum Aged Reflectance/Emittance values of 0.15/0.75 or a minimum SRI of 10 (Building Permit Application must specify the weight, manufacturer, brand, model, and color of the product being used).

   ▪ Low rise residential buildings with low sloped (≤ 2:12) roofs not regulated in CZ12.

3. Any **one** of the options listed below can be used as an equivalent to the reflectance, emittance, and SRI requirements listed in No. 1 and No. 2 above:

   • No ducts in attic.

   • Ducts in attic insulated, sealed and tested. "HERS Rater" documentation must be submitted with Building Permit Application.

   • Minimum R-30 ceiling insulation.

   • R-0.85 or greater thermal resistance insulation added over the roof deck or a min. of 3/4" air space added to roof deck.

   • Radiant barrier.

   • 1 ft^2 of attic ventilation per 150 ft^2 of attic area and where at least 30% of the free ventilation area is within two vertical feet from the ridge. Calculations must be submitted with Building Permit Application.

   • The building shows compliance using the *Performance Method*.

Think Inside the Triangle™