



**City of Lathrop
Building Department**

RESIDENTIAL RE-ROOF PERMIT REQUIREMENTS

390 Towne Centre Drive – Lathrop, CA 95330

Email: PermitOffice@ci.lathrop.ca.us

Phone #: (209) 941-7270

PLEASE REFER TO THESE REQUIREMENTS BELOW FOR THE PERMITTING OF RESIDENTIAL RE-ROOFS

A Permit is required for all re-roof projects including complete tear-off and roof replacements, partial tear-off and roof replacements, and adding additional layer(s) of roof covering to existing roofs.

SUBMITTAL REQUIREMENTS:

1. A Complete and Signed Building Permit Application

The following information must be included in the **Description of Work Section**:

- Original roofing material
- Number of layers
- Specify if the Re-Roof is a Tear-Off or Overlay
- If Re-sheet is being done include the following:
 - Number of Squares of Material
 - Slope of the Roof
 - Cool Roof Compliance information

2. A Complete and Signed Owner/Builder Form (if applicable)

3. A Certificate of Compliance Title24 Form “CF1R” completed and signed by Owner / Contractor

4. At Final Inspection, an Installation Certificate Form “CF2R” must be completed by the installer and submitted to the Property Owner and Building Department

ENERGY CODE REQUIREMENTS:

- When more than 50% of the exterior surface of a residential roof is being replaced and the roof slope is greater or equal to **2:12 pitch**:
 - Roofing products must meet the requirements for a Cool Roof
 - Roofing products with a density of less than 5lbs/sqft (i.e. asphalt shingles) shall have a minimum 3-year aged solar reflectance of 0.20 and a minimum thermal emittance of 0.75. or a Solar Reflectance Index (SRI) of 16
 - Roofing products with a density of 5lbs/sqft or more (i.e. concrete, clay tiles or slate) shall have a minimum 3-year aged solar reflectance of 0.15 and a minimum thermal emittance of 0.75, or an SRI of 10

Roofing products that are used for compliance with the energy standards must 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 (www.coolroofs.org) and be labeled according to CRRC procedures.



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SAMPLE CRRC LABEL:

	<u>Initial</u>	<u>Weathered</u>
Solar Reflectance	0.00	Pending
Thermal Emittance	0.00	Pending
Rated Product ID Number	-----	
Licensed Seller ID Number	-----	
Classification	Production Line	

Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emittance on building performance may vary.

Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.

ALTERNATIVES TO COOL ROOF REQUIREMENTS:

- The following are acceptable alternatives to providing a Cool Roof rated product:
 - Insulation with a thermal resistance of at least 0.85hr.ft².°F/BTU or at least ¾ inch airspace is added to the roof deck over an attic
 - Existing ducts in the attic are insulated and sealed according to CEC Regulations Section 150.1(c) 9
 - 1ft² of free ventilation area of attic ventilation for every 150ft² of attic floor area, and where at least 30% of the free ventilation area is within 2ft vertical distance of the roof ridge
 - Building has at least R-38 roof/ceiling insulation
 - Roof or attic space has a radiant barrier meeting the requirements of CEC Section 150.1(c)2
 - Building has no ducts in attic
 - R-2 or greater insulation above the roof deck