



# COOL ROOF INFORMATION SHEET

City of Anderson Development Services  
Building Division  
1887 Howard St., Anderson, CA 96007  
(530) 378-6636 FAX (530) 378-6666

Project Address: \_\_\_\_\_

Slope of Roof \_\_\_\_\_ # of Existing Layers \_\_\_\_\_ Existing Roofing Material \_\_\_\_\_

Check all that applies to NEW roof:

|                          |                   |                          |         |                          |               |                          |              |
|--------------------------|-------------------|--------------------------|---------|--------------------------|---------------|--------------------------|--------------|
| <input type="checkbox"/> | Composition       | <input type="checkbox"/> | Tile    | <input type="checkbox"/> | Shake         | <input type="checkbox"/> | Wood Shingle |
| <input type="checkbox"/> | Built up          | <input type="checkbox"/> | Bitumen | <input type="checkbox"/> | Metal         | <input type="checkbox"/> | Other        |
| <input type="checkbox"/> | Tear off existing | <input type="checkbox"/> | Overlay | <input type="checkbox"/> | New Sheathing | <input type="checkbox"/> |              |

**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 square feet of roof is replaced, whichever is less, the new roofing area must meet the roofing product "Cool Roof" requirements of §152(b)1Hi, 152(b)1Hii, or 152(b)1Hiii.

**For roof slopes of greater than 2:12:**

|                          |  |                          |   |
|--------------------------|--|--------------------------|---|
| <input type="checkbox"/> | Roofing products with a density of <b>less than</b> 5 lbs/sq.ft. (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.<br><b>or check alternate (alt).</b> | <input type="checkbox"/> | Roofing products with a density of 5 lbs/sq.ft. or <b>more</b> (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 a SRI of 10.<br><b>or check alternate (alt).</b> |
|--------------------------|--|--------------------------|---|

**Note:** Manufacturers specification for Cool Roof compliance when required shall be provided for inspector. Packaging materials w/CRRC labels must be left on the job-site to demonstrate compliance with the specification for the cool roof rating if applicable.

**ALTERNATE (ALT) Alternatives to §152(b)1Hi, 152(b)1Hii, or 152(b)1Hiii, Steep-slope roof (pitch > 2:12)**

Alternatives to the Cool Roof requirement may be **one** of the following:

|   |   |
|---|---|
| (alt) Building with at least R-30 ceiling insulation<br><input type="checkbox"/> (approximately 10" thick if blown in). | (alt) If in climate Zone 11, R-3 or greater roof deck insulation above vented attic.<br><input type="checkbox"/>                    |
| (alt) Existing ducts insulated with R-6 and H.E.R.S<br><input type="checkbox"/> duct tested to verify ducts are sealed. | (alt) Building has no HVAC ducts in the attic<br><input type="checkbox"/> (evaporative cooling duct exempt).                        |
| (alt) Building with a radiant barrier in attic meeting<br><input type="checkbox"/> the requirements of §151(f)2;        | (alt) Insulation over roof deck or at least 3/4 inch air-space is added to the roof deck over an attic.<br><input type="checkbox"/> |

**Other Exceptions:**

- Roofing area covered by building integrated, photovoltaic panels and solar thermal panels are exempt from the below Cool Roof Criteria.
- Roof constructions that have thermal mass over the roof membrane with at least 25 lb/sq.ft. is exempt from the below Cool Roof Criteria.

**CLIMATE ZONE 16 (ONLY)** Cool roof requirements apply **ONLY** when Roofing products with a density of 5 lbs/sq.ft. 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 a SRI of 10.

**or check alternate (alt)** as applicable.

\*\*\*\*\*INSTRUCTIONS FOR COMMERCIAL PROJECTS\*\*\*\*\*

- Commercial roofs on decks with a slope of 2:12 or less must meet the 2008 Building Energy Efficiency Standards by being a certified Cool Roof. A copy of the standards, signed by the applicant must accompany this application.
- Overlays that exceed 100 pounds per square ft. must be accompanied by calculations performed by a California licensed Civil or Structural Engineer. All overlays must be approved by the Building Official and other requirements listed within Appendix Chapter 15, California Building Code.
- A specification from the roofing manufacturer must accompany this application. The specification should list the fire class of the material, a description of the materials or layers that must be installed, the Cool Roof certification (if required because of the slope of the roof), and installation requirements.
- Packaging materials w/CRRC labels must be left on the job-site to demonstrate compliance with the specification for the cool roof rating if applicable.

I agree that the information provided on this document is accurate and true.

Applicant's Signature \_\_\_\_\_ Date \_\_\_\_\_

