

CITY OF CHICO
BUILDING AND DEVELOPMENT SERVICES DEPARTMENT

BUILDING DIVISION
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BUILDING DIVISION
COOL REROOF DATA SHEET

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-sq. ft. 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 less than 5lbs/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. or check alternate (alt)	<input type="checkbox"/>	Roofing products with a density of 5lbs/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)
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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 and §152(b)Hii, Steep-slope roof (pitch > 2:12)

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

alt <input type="checkbox"/>	Building with at least R-30 ceiling insulation (approximately 13" thick if blown in)	alt <input type="checkbox"/>	If in climate Zone 11*, R-3 or greater roof deck insulation above vented attic.
alt <input type="checkbox"/>	Existing ducts insulated with R-6 and H.E.R.S. duct tested to verify ducts are sealed	alt <input type="checkbox"/>	Building has no HVAC ducts in the attic (evaporative cooling duct exempt)
alt <input type="checkbox"/>	Building with a radiant barrier in attic meeting the requirements of §151(f)2;	alt <input type="checkbox"/>	Insulation over roof deck or at least ¾ inch air-space is added to the roof deck over an attic

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/ft² is exempt from the below Cool Roof criteria.

* City of Chico is within **Climate Zone 11** per T-24, Part 6, 2008 California Energy Code.

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 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.

Applicants Signature: _____ Date: _____ Permit/Activity # : _____