



CITY OF FONTANA
BUILDING & SAFETY
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RESIDENTIAL COOL ROOF REQUIREMENTS

Under the provisions of the 2019 California Energy Code §150.2(b) I, re-roof projects may be required to comply with cool roof requirements when more than 50% of a roof is replaced. The cool roof requirements and acceptable alternatives are listed below:

Check applicable box below:

- Install cool roof compliant material listed in the Cool Roof Rating Council (CRRC) directory:
 - Less than 5 lb/ft²: 0.20 Aged Solar Reflectance & 0.75 Thermal Emittance or 16 SRI value.
 - Greater than or equal to 5 lb/ft²: 0.15 Aged Solar Reflectance & 0.75 Thermal Emittance or 10 SRI value.

- Roofing product has a profile ratio rise to width of 1 to 5 for 50 percent or greater of the width of the roofing product (high profile "S" tile).

High Profile Tile – Tiles having a rise to width ratio greater than 1:5 (measured in installed condition)



- Radiant barrier in the attic:

- Existing
- Proposed

Radiant barrier must be installed per manufacturers specifications. When installed as roof sheathing it is not permitted to be installed directly over existing sheathing. Existing sheathing must be removed or a 1 x 4 shall be installed over each truss/rafter to provide a 3/4" min. air space between proposed radiant barrier and existing sheathing (construction detail required).

- Existing low-slope roof (2:12 or less slope).
- No ducts in the attic.
- Existing ducts in the attic are insulated and sealed (HERS tested and verified).
- Minimum R-38 ceiling insulation:
 - Existing
 - Proposed

- R-2 or greater insulation over the roof deck (construction detail required).
- Air-space of 1 inch is provided between the top of the roof deck to the bottom of the roof product (construction detail required).
- Roof area is covered by building integrated photovoltaic panels or building integrated solar thermal panels.

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

Address: _____ Date: _____

Applicant: _____ (Print Name) _____ (Signature)