



CITY OF FONTANA
BUILDING & SAFETY
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NON-RESIDENTIAL COOL ROOF REQUIREMENTS FOR ALTERATIONS

Under the provisions of the 2016 California Energy Code §141.0(b)2B, roof replacement projects may be required to comply with cool roof requirements when more than 50 percent of the roof area or more than 2,000 square feet of roof, whichever is less, is altered.

Check applicable box below:

Install cool roof compliant material listed in the Cool Roof Rating Council (CRRC) directory:

Nonresidential buildings:

≤ 2:12 Slope: Minimum aged solar reflectance of 0.63 & thermal emittance of 0.75, or a minimum SRI of 75.

> 2:12 Slope: Minimum aged solar reflectance of 0.20 & thermal emittance of 0.75, or a minimum SRI of 16.

High-rise residential buildings and hotels and motels:

≤ 2:12 Slope: Minimum aged solar reflectance of 0.55 & thermal emittance of 0.75, or a minimum SRI of 64.

> 2:12 Slope: Minimum aged solar reflectance of 0.20 & thermal emittance of 0.75, or a minimum SRI of 16.

Cool Roof acceptable alternatives and exceptions listed below (check one):

Roof area is over unconditioned space (e.g., warehouse)

Does not exceed 2000 SF. or more than 50% of total roof area. Reroof _____ SF. Total Area _____ SF.

When low sloped roofs (≤ 2:12 Slope) are exposed to the roof deck and requires cool roof, the exposed area shall be insulated to the levels specified in TABLE 141.0-C:

Install continuous insulation R-value R-14 or U-factor 0.055

Roof Insulation acceptable alternatives and exceptions listed below (check one):

The roof will not be exposed to the roof deck or roof recover boards.

Existing roof is already insulated to at least R-7 or U-factor lower than 0.089

If mechanical equipment on the roof will not be disconnected and lifted as part of the roof replacement, you are not required to add more insulation than the maximum thickness that will allow 8 inches between the roof membrane surface and the top of the base flashing.

If parapet walls are finished with other than roofing material; the parapet walls have exterior cladding material that must be removed to install the new roof covering membrane to maintain a base flashing height of 8 inches; and the ratio of the replaced roof area to the linear foot of parapet walls is less than 25 SF per linear foot then it is not necessary to add more insulation than the maximum thickness that will allow 8 inches from the roof membrane surface to the top of the base flashing.

	Square Feet of Reroof	= _____ < 25
	Linear Feet of Parapet	

Supplemental Documentation Required:

- Manufacturer information and/or ICC Evaluation Report for proposed roofing and Insulation products.
- Construction details for the proposed installations
- NRCC-ENV-01-E form required.

Address: _____ Date: _____

Applicant: _____ (Print Name) _____ (Signature)