



**Community & Economic Development
Department
Building & Safety Division**
14177 Frederick Street
P. O. Box 88005
Moreno Valley, CA 92552-0805
**(951) 413-3350
FAX: (951) 413-3363**

APPLICATION FOR REROOFING PERMIT

Permit No.:

The following information shall be provided for City review and approval prior to issuing a Building Permit for Reroofing.

Project Address

Owner Name _____ Telephone () _____

Address _____

City _____ State _____

Building Occupancy SFD _____ Multi-Family _____ Commercial _____
(type): Other _____

Roof Slope: Rise _____ Inches in 12 inches horizontally

New Roof Type: Comp Shingles _____ Tile _____ Built-up Roofing _____
Other (please specify): _____

Type of Existing Roof: _____

Type of Sheathing: Solid _____ Spaced _____ Replace Sheathing? _____

Will Existing Roof Covering Be Removed? Yes _____ No _____
If "NO", How Many Layers of Existing Roof Covering Exist? One (1) _____ Two (2) _____

For Tile Reroofs, The Following Information Must Also Be Provided

New Roof Trade Name and Manufacturer: _____

New Roof Covering Weight Per Square Foot: _____

Is the Existing Covering Tile? Yes _____ No _____

If "NO", is the Structural Design Sufficient to Sustain the Weight of the Proposed New Roof Covering? Yes _____ No _____

If "YES", provide supporting engineering calculations.

If "NO", provide an engineered design and calculations for repair.

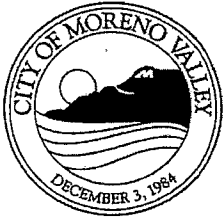
All Roof Types

Square Feet/Number Squares to be Installed: _____ Valuation: _____

I certify that all information on this form is true and correct. I agree to perform all work in accordance with the State Building Code and Moreno Valley City Ordinance requirements.

Signature _____ Date _____

Contractor Name _____ State License Class/Number _____
(if applicable)



Building & Safety Division
 14177 Frederick Street
 Moreno Valley, CA 92552-0805
 Telephone: (951) 413-3350
 Fax: (951) 413-3363

CERTIFICATE OF COMPLIANCE	CF1R-ALT-01-E Reroof
Prescriptive residential Alterations Reroof	Page 1 of 2
Project Name:	Date Prepared

GENERAL INFORMATION					
01	Address		02	Building Orientation	N/A
03	City	Moreno Valley	04	Number of Units	
05	Zip		06	Fuel Type	N/A
07	Climate Zone	10	08	Floor Area/#of SQ	
09	Building Type		10	Slab Area	N/A
11	Project Scope		12	# of Stories	N/A

ROOF REPLACEMENT DETAILS (Section 150.2(b)1)												
01	02	03	04	05	06	07	08	09	10	11	12	13
						Proposed				Minimum Required		
Method of Compliance	Roof Pitch	Exception	CRRC Product ID #	Product Type	R-Value Deck Insulation	Initial Solar Reflectance	Aged Solar Reflectance	Thermal Emittance	SRI	Aged Solar Reflectance	Thermal Emittance	SRI
										.20	.75	16
NOTES: <ul style="list-style-type: none"> Roof area covered by building integrated photovoltaic and solar thermal panels are exempt from the above Cool Roof requirements. Liquid field applied coatings must comply with installation criteria from section 110.8(i)4. 												

ROOF REPLACEMENT (Prescriptive Alteration, Section 150.2(b)1H)

When 50% or more of the roof is being replaced the roofing requirements are triggered. Any areas of roof covered by building integrated photovoltaic panels and solar thermal panels (the area of roof not covered by photovoltaic panels would still need to meet any applicable cool roof requirements). Additionally, there are many alternatives/exceptions when a cool roof is required.

When the roof is steep slope (pitch greater than 2:12) the roof requirements include a cool roof in climate zones 10-15. The minimum requirement is 0.20 aged solar reflectance, 0.75 thermal emittance, or a minimum SRI of 16.

- Method of Compliance: indicate if the method of compliance is going to be based on Aged Solar Reflectance and Thermal Emittance, the Solar Reflectance Index (SRI), or an Exception.
- Roof Pitch: Expressed as 4:12, for example, which means the roof rises 4 foot within a span of 12 feet. When roofs have multiple pitches the requirements are based on the pitch of 50% or more of the roof.
- Exception: If meeting one of the exceptions. Indicate which exception is, or will be, met.

NOTES: EXCEPTIONS AND ALTERNATIVES FOR STEEP SLOPE ROOFS:

- A Mass roof 25 lbs. /ft² or greater (uncommon situation such as sod roof);
- B Air space 1" from top of roof deck to bottom of roofing;
- C Roofing product has a profile ratio of rise to width of 1 to 5 for 50 percent or greater of the width of the roofing product;
- D Ducts already meet Section 150.1(c) insulation and duct leakage requirements;
- E Roof has R-38 insulation;
- F Roof has a radiant barrier;
- G No ducts are installed in the attic; or
- H R-4 insulation above the roof deck.

In climate zones 13-15, when there is a low slope roof (pitch 2:12 or less) the cool roof requirements are for a minimum aged solar reflectance of 0.63, a minimum 0.75 thermal emittance, or a minimum SRI of 75.

EXCEPTIONS AND ALTERNATIVES FOR LOW SLOPE ROOFS:

- (a) Mass roof 25 lbs. /ft² or greater (uncommon situation such as sod roof);
- (b) No ducts are installed in the attic; or
- (c) Roof deck installation—by installing roof deck insulation, a lower aged solar reflectance is required: R-2 (0.62-0.60), R-4 (0.59-0.55), R-6 (0.54-0.50), R-8 (0.49-0.45), R-12 (0.44-0.40), R-16 (0.39-0.35), R-20 (0.34-0.30), R-24 (0.29-0.25).

NOTE: If one of the exceptions above has been selected than the rest of Section c is Not Required.

- 4. The CRRC Product ID Number is obtained from the Cool Roof Rating Council's Rated Product Directory at www.coolroofs.org/products/results. Products are listed by manufacturer, brand, type of installation, roofing material, and color, as well as product performance.
- 5. Product type: See Cool Roof Rating Council's directory. Generally product types include single-ply roof, wood shingles, asphalt roof, metal roof, tile roof.
- 6. R-value Deck Insulation: If one of the exceptions selected includes adding roof deck insulation, indicate the R-value of insulation.
- 7. Proposed Initial Solar reflectance: base on the product chosen from the Cool Roof Rating Council's Rated Product Directory. If using default assumption indicate NA since the Aged solar reflectance is available.
- 8. Proposed Aged Solar Reflectance: Value is from the Cool Roof Rating Council's Rated Product Directory. If the aged value is not available, calculate the calculated Aged Solar reflectance using the Solar Reflectance Index (SRI) Calculation worksheet located on the California Energy Commission website or the aging equation $paged=[0.2+\beta(p_{initial}-0.2)]$, where $p_{initial}$ = the initial solar reflectance and soiling resistance β is listed by product type below.

VALUES OF SOILING RESISTANCE β BY PRODUCT TYPE

Product Type	CRRC Product Category	β
Field-Applied Coating	Field-Applied Coating	0.65
Other	Not A Field-Applied Coating	0.70

- 9. Proposed Thermal Emittance: From the product specification default value. If using a calculated SRI place the thermal emittance used to calculate SRI.
- 10. Proposed SRI: It is optional to meet either the SRI but if chosen to do so, use the Solar Reflectance Index (SRI) Calculation Worksheet found on the California Energy Commission website <http://www.energy.ca.gov/title24/>.
- 11. Minimum Required Aged Solar Reflectance: Based on climate zone and roof slope.
- 12. Minimum Required Thermal Emittance: Based on climate zone and roof slope.
- 13. Minimum SRI: Based on climate zone and roof slope.

NOTE: If the cool roofing requirements will be met by a liquid field applied coating, Section 110.8(i)4 requires the coating be applied across the entire roof surface and meet the dry mil thickness or coverage recommended by the manufacturer.

Documentation Author's Declaration Statement	
<ul style="list-style-type: none"> • I certify that this Certificate of Compliance documentation is accurate and complete. • I certify that the energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 6 of the California Code of Regulations. • The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. 	
Name:	Signature:
Company:	Date:
Address:	License:
City/State/Zip	Phone
For assistance or questions regarding the Energy Standards, contact the Energy Hotline at: 1-800-772-3300	