Prescriptive Certificate o		CF-1R-ALT			
Residential Alterations	ROOF REPLACEMENT		(Page 1 of 2)		
Project Name:		Climate Zone # 8	# of Stories		

General Information						
Site Address:	Enforcement Agency: CITY OF ANAHEIM	Date:				
Building Type □ Single Family □ Multi Family	Circle the Front Orientation: N, E, S, W, or degrees					
Conditioned Floor Area (CFA):	Project Type: ☐ Alterations ☐ Envelope ☐ Fenestration ☐ Roof ☐ HVAC Replacement or Change Out ☐ Duct Replacement ☐ Water Heater					
NOTE: This form is not to be used for Newly Constructed Buildings or Additions						

ROOFING PRODUCTS (COOL ROOFS) §151(f)12					
When the area of exterior roof surface to be replaced exceeds more than 50% of the existing roof area, or more than 1,000					
ft2, 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.					
Check applicable alternative or exception below if the roof alteration is exempt from the roofing product "Cool Roof"					
requirements. Note: If any one of the alternatives or exception below is checked, the Aged Solar Reflectance and Thermal					
Emittance requirements for roofing products in §118(i) are not applicable. Do not fill table below.					
☐ Cool Roofs Not Required in Climate Zones 1-12, 14, and 16 with a Low Sloped. Less or 2:12 pitch.					
□Cool Roofs Not Required in Climate Zones 1 through 9 and 16 with a Steep-Sloped Roofs (pitch greater than 2:12) and					
product unit weight less than 5lb/ft ² .					
Alternatives to \$152(b)1Hi and \$152(b)Hii, Steep-slope roof (pitch > 2:12)					
☐ Insulation with a thermal resistance of at least 0.85 hr-ft².ºF/Btu or at least a 3/4 inch air-space is added to the roof deck					
over an attic; or					
Existing ducts in the attic are insulated and sealed according to §151(f)10; or					
☐ In climate zones 10, 12 and 13, with 1 ft² of free ventilation area of attic ventilation for every 150 ft² of attic floor area, and					
where at least 30 percent of the free ventilation area is within 2 feet vertical distance of the roof ridge; or					
☐ Building has at least R-30 ceiling insulation; or					
☐ Building has radiant barrier in the attic meeting the requirements of §151(f)2; or					
☐ Building has no ducts in the attic; or					
☐ In climate zones 10, 11, 13 and 14, R-3 or greater roof deck insulation above vented attic.					
Exception to §152(b)1Hiii, Low-slope roof (pitch $\leq 2:12$)					
☐ Building has no ducts in the 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.					
Note: If no CRRC-1 label is available, this compliance method cannot be used, use the Performance Approach to show					
compliance, otherwise, Check the applicable box below if Exempt from the Roofing Products "Cool Roof" Requirement:					

Prescriptive Certificate of Compliance: Residential CF-1R-ALT						1R-ALT				
Residential Alterations ROOF REPLACEMENT						((Page 2 of 2)			
Project Name:					88	Clima	te Zone	# 8	# o	f Stories
									11	
CRRC Product ID Number ^f	Roof Slope ≤ 2:12 > 2:12		< 5lb			Aged Solar Reflectance ^{3,4}		Thermal Emittance		SRI ⁵
							77-25			
,										
							N_48			
1. The CRRC Product ID Number can be obtained from the Cool Roof Rating Council's Rated Product Directory at www.coolroofs.org/products/search.php 2. Indicate the type of product is being used for the roof top, i.e. single-ply roof, asphalt roof, metal roof, etc. 3. If the Aged Reflectance is not available in the Cool Roof Rating Council's Rated Product Directory then use the Initial Reflectance value from the same directory and use the equation (0.2+0.7(pinital - 0.2) to obtain a calculated aged value. Where p is the Initial Solar Reflectance. 4. Check box if the Aged Reflectance is a calculated value using the equation above. 5. Calculate the SRI value by using the SRI- Worksheet at http://www.energy.ca.gov/title24/ and enter the resulting value in the SRI Column above and attach acopy of the SRI- Worksheet to the CF-IR. To apply Liquid Field Applied Coatings, the coating must be applied across the entire roof surface and meet the dry mil thickness or coverage recommended by the coatings manufacturer and meet minimum performance requirements listed in §118(i)4. Select the applicable coating: Aluminum-Pigmented Asphalt Roof Coating Cement-Based Roof Coating Contractor's, (Documentation Author's/Responsible Building Designer's/Owner's), Declaration Statement										
 I certify that this Certificate of Co I am eligible under Division 3 of design identified on this Certifica I certify that the energy features a Compliance conform to the requirement. The building design features iden document this building design on submitted to the enforcement ages. 	the Califo te of Com and performements of tified on the the other	rnia Busi pliance. mance sp f Title 24 his Certif applicabl	iness and lecification Parts 1 a ficate of C le complia	Profession Ins for the and 6 of the Compliance ance forms	building te Califor e are con s, workst	design rnia Coc sistent neets, ca	identified of le of Regul	on this Co ations. Cormation	ertifica	ate of
Name:		P10 / H1 //		Signature:		iounom.				
Company:						D	ate:		552-	
Address:						Li	icense:			
City/State/Zip:						PI	none:			

Prescriptive Certificate of Compliance: Residential

For assistance or questions regarding the Energy Standards, contact the Energy Hotline at: 1-800-772-3300.