

ENERGY STAR® Roof Program Alternative

DID YOU KNOW THAT...?

The ENERGY STAR certification program for roofing products officially ends on June 1, 2022, at which point no ENERGY STAR certified roofing products will be available in the market or on the ENERGY STAR certified products list by order of the U.S. Environmental Protection Agency (EPA).

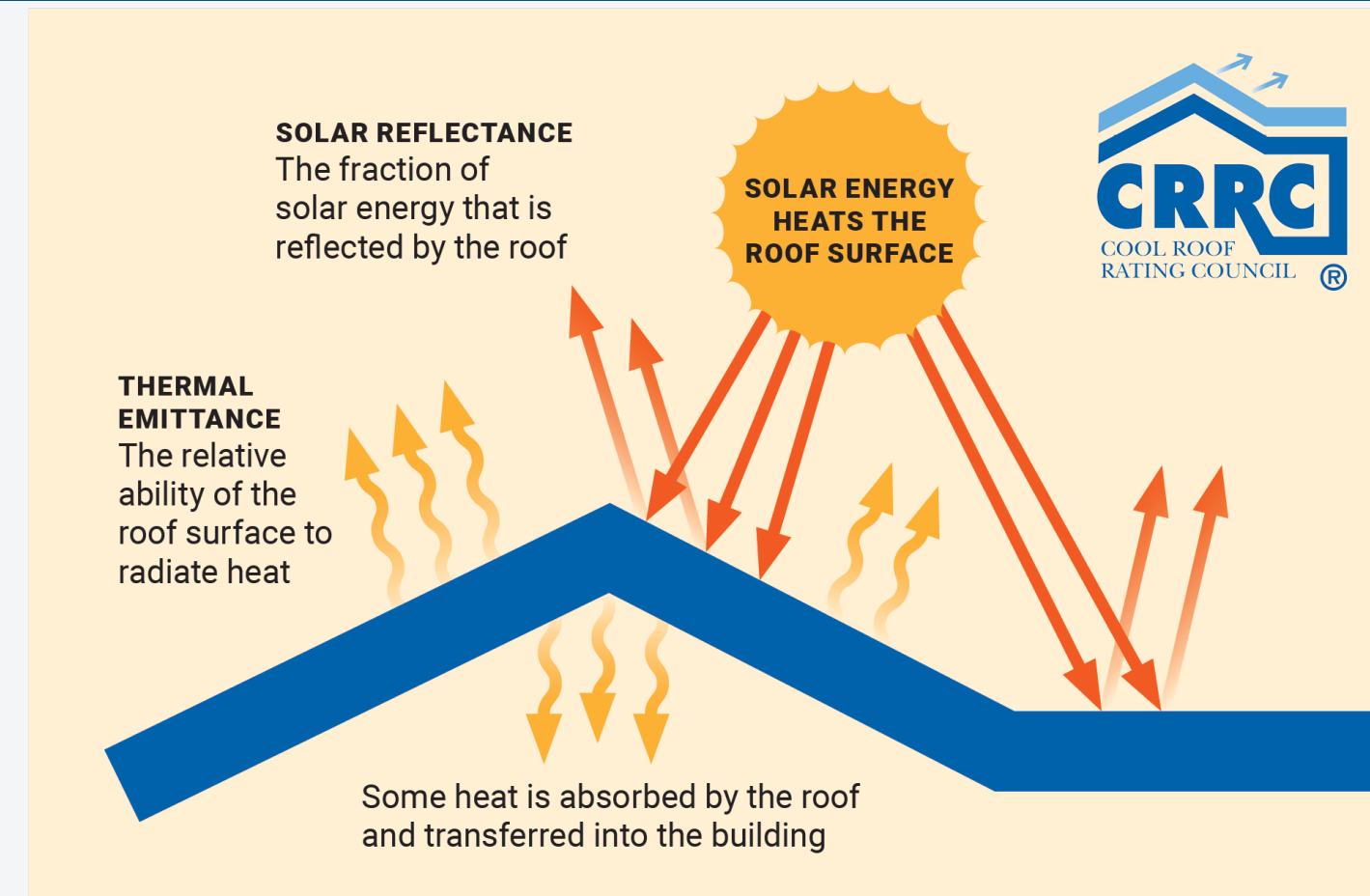
This guide provides helpful information to jurisdictions and programs that currently require ENERGY STAR certified roofing products for compliance with a code, standard, ordinance, rebate, or program on what they can do to avoid disruption.

WHAT CAN YOU DO?

To help with ongoing compliance and enforcement of cool roof installations, you can update any references to ENERGY STAR with a reference to the CRRC-1 Roof Product Rating Program (CRRC-1 Program).

Replacing existing references to ENERGY STAR with the CRRC-1 Program ensures that the solar reflectance, thermal emittance, and/or solar reflectance index (SRI) values used for compliance are independently obtained, verified, and publicly accessible.

Referencing the CRRC-1 Program also allows for greater flexibility and control. Unlike certification programs like ENERGY STAR that require products to meet certain performance criteria, nearly any type of roofing product can be tested and rated in accordance with the CRRC-1 Program. This gives entities the ability to set their own requirements and define what is a “cool roof” in their own jurisdictions.



This illustration describes the flow of radiant energy as heat between the sun, roof surface, building interior, and surroundings. The higher the solar reflectance, the more solar energy is reflected away from the roof surface. Some of the solar energy is absorbed by the roof as heat. The higher the thermal emittance, the more of this absorbed heat is radiated away from the roof surface. IMAGE CREDIT: COOL ROOF RATING COUNCIL.

Examples of CRRC Rated Roof Product References

California Building Energy Efficiency Standards (Title 24, Part 6)	See references to “CRRC-1” here
City of Chula Vista Energy Code	See references to “Cool Roof Rating Council” here
City of Denver Green Building Ordinance	See references to “Cool Roof Rating Council” here
City of Louisville Cool Roof Incentive Program	See references to “Cool Roof Rating Council” here
City of Los Angeles’ Green Building Code	See references to “CRRC” here
City of Los Angeles Cool Roof Rebate	See references to “CRRC” here
County of Los Angeles Green Building Standards Code	See references to “CRRC” here
City of Miami Land Use Ordinance	See references to “Cool Roof Rating Council” here
City of Miami Beach Urban Heat Island Ordinance	See references to “CRRC” here
Washington Evergreen Sustainable Development Standard , v4.0	See references to “CRRC-1” here

The CRRC was established in 1998 as a 501(c)(3) nonprofit organization that develops fair, accurate, and credible methods for evaluating and labeling the surface radiative properties (solar reflectance and thermal emittance) of roofing products.

The CRRC is an accredited ISO/IEC 17065 product certification body and is an ANSI Accredited Standards Developer Organization.



Certificate 3146.01

Learn more at coolroofs.org



WHAT IS THE CRRC-1 PROGRAM?

The [CRRC-1 Program](#) is a third-party product rating program for roofing products that is administered by the Cool Roof Rating Council (CRRC). The program has been in existence since 2002 and was developed with input from a wide array of stakeholders ([learn more](#)).

The ratings are based on a product’s surface radiative properties (solar reflectance and thermal emittance) and range from 0 to 1, with 1 being the most reflective or emissive. The ratings inform consumers how efficient the product is at reducing building energy use, increasing occupant comfort, and mitigating the urban heat island effect ([learn more](#)).

Over 3,000 roofing products are published in the [CRRC Rated Roof Products Directory](#), an online, publicly available database that policymakers, design professionals, building owners, and others have relied on for years for third-party data. The directory gives consumers the ability to search for and compare roofing products that comply with code requirements, green building certifications, and rebate programs.

The ratings are also on CRRC labels found on product packaging.

	Rated Product ID #: 0000-0000		
		Initial	Aged
	Solar Reflectance	0.00	0.00
	Thermal Emittance	0.00	0.00
<p>The ratings above are subject to CRRC rating program conditions, requirements, and limitations. Visit coolroofs.org for important information and disclaimers about CRRC rating conditions, requirements, and limitations.</p>			

The standard CRRC Product Label. Usage requirements can be viewed at coolroofs.org