

ENERGY STAR® ROOF PROGRAM ALTERNATIVE

HOME AND BUILDING OWNERS

DID YOU KNOW THAT...?

The ENERGY STAR® certification program for roofing products officially ended on June 1, 2022.


WHAT DOES THIS MEAN FOR YOU?

Roofing products with an ENERGY STAR label on the package are technically no longer certified as meeting specific performance standards. The U.S. Environmental Protection Agency prohibits the use of the certification label on roofing product packaging and literature. This may be why you're having trouble finding ENERGY STAR certified roofing products that qualify for a financial incentive or comply with a municipal ordinance or code requirement.

IS THERE AN ALTERNATIVE TO ENERGY STAR CERTIFICATION OF ROOFING PRODUCTS?

The Cool Roof Rating Council (CRRC) operates a rating program for roofing products that underpins many U.S. building codes and green building certification programs and publishes similar data to what was required for ENERGY STAR certification of roofing products. Over 3,000 roofing products are published in the CRRC Rated

Roof Products Directory, which is a free, publicly available online database that building owners, program developers, policymakers, contractors, and design professionals have relied on for years for third-party data. The directory is a reliable tool for searching for and comparing roofing products that may qualify for code compliance, green building certification, and financial incentives. The ratings are also on CRRC labels found on product packaging. Please check with the issuer of the financial incentive or your local building department to verify that a CRRC-rated product can be used for qualification or compliance.

	Rated Product ID #: 0000-0000	
		Initial Aged
	Solar Reflectance	0.00 0.00
	Thermal Emittance	0.00 0.00
<small>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.</small>		

The standard CRRC Product Label. Usage requirements can be viewed at COOLROOFS.ORG

It is important to note that the CRRC Rated Roof Products Directory is not limited to products that meet ENERGY STAR certification criteria. Any roofing product can be rated as long as it complies with the CRRC-1 Product Rating Program Manual.

WHAT WERE THE ENERGY STAR REQUIREMENTS?

FULL REQUIREMENTS
CAN BE ACCESSED
→ **HERE** ←

TABLE 1 – Specifications for Low-Slope Roof Products

Characteristic	Performance Specification
Solar Reflectance	
Initial Solar Reflectance	Greater than or equal to 0.65
Maintenance of Solar Reflectance	Greater than or equal to 0.50 three years after installation under normal conditions

TABLE 2 – Specifications for Steep-Slope Roof Products

Characteristic	Performance Specification
Solar Reflectance	
Initial Solar Reflectance	Greater than or equal to 0.25
Maintenance of Solar Reflectance	Greater than or equal to 0.15 three years after installation under normal conditions

WHAT DO THE RATINGS MEAN?

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 provide some indication to consumers about the effectiveness of a product in reducing building energy use, lowering indoor temperature, and mitigating the urban heat island effect (learn more).

LEARN MORE

- 👉 **WHAT IS A COOL ROOF?**
- 👉 **CRRC RATED ROOF PRODUCTS DIRECTORY**

For more information and resources about cool roofs, visit coolroofs.org.



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PROGRAM DEVELOPERS AND POLICYMAKERS

Is there an alternative to ENERGY STAR certification of roofing products?

To help with ongoing compliance and enforcement of cool roof installations, references to ENERGY STAR could be replaced with references to the CRRC-1 Roof Product Rating Program (CRRC-1 Roof Program).

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

“Louisville’s Office of Sustainability offers a \$1/sf cool roof incentive to address the city’s significant urban heat island issue. Further, a majority of our incentive funds are dedicated to communities experiencing disparate impacts of urban heat. We have been utilizing the Cool Roof Rating Council (CRRC)’s rating program and product directory to continue to incentivize energy efficient cool roofs in our city beyond the sunset of the ENERGY STAR certified roofing program. CRRC allows our city, property owners, and contractors to more easily be part of the solution, which has allowed us to incentivize over 1 million square feet of cool roofs to date!”

— SUMEDHA RAO, Executive Director of City of Louisville’s Mayor’s Office of Sustainability

What is the CRRC-1 Roof Program?

It’s 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).

LEARN MORE

 **WHAT IS A COOL ROOF?**

 **CRRC RATED ROOF PRODUCTS DIRECTORY**

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Examples of CRRC Rated Roof Product References

California Building Energy Efficiency Standards (Title 24, Part 6)

City of Denver Green Building Ordinance

City of Louisville Cool Roof Incentive Program

City of Los Angeles Green Building Code

City of Los Angeles Cool Roof Rebate

County of Los Angeles Green Building Standards Code

City of Miami Land Use Ordinance

Washington Evergreen Sustainable Development Standard, v4.0