



Roofing Reflections

November 2006

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Contact Us!

Please direct comments or questions to:
info@coolroofs.org or call toll-free at (866) 465-2523

Send items you'd like us to include in future newsletters to:

Cool Roof Rating Council
1738 Excelsior Avenue
Oakland, CA 94602

Notable Events & News

West Coast Green Tradeshow

In September, the CRRC staff had the great fortune of attending the West Coast Green Tradeshow in San Francisco. During the three days that we staffed our booth we had the opportunity to talk with numerous architects, contractors, and homeowners.

According to them, cool roofs are all the buzz! Many individuals were pleased to learn that we had updated our Rated Products Directory to a searchable format and that PG&E is now offering rebates for residential re-roofing (both mentioned in more detail below). Those who hadn't heard of cool roofs or the Council were enthusiastic and had many questions.

Next Up: GreenBuild in Denver


Our next tradeshow will be the US Green Building Council's Greenbuild tradeshow at the Colorado Convention Center in Denver from November 15-17. For more information, see <http://www.greenbuildexpo.org/>.

CRRC Lab Training

Another successful CRRC laboratory accreditation training took place on September 28th at Lawrence Berkeley National Laboratory (LBNL). Thankfully, the weather cooperated for the E1918 test method. Thanks to all attendees and LBNL for making this an enjoyable and informative event. Please direct inquiries about upcoming lab trainings to info@coolroofs.org

Rated Products Directory: Now Available in a Dynamic, Searchable Format!!

For those of you who have not recently visited our website, a major change has taken place. The CRRC Rated Products Directory has outgrown its previous format (now at over 750 products and climbing) and is now in a much more user-friendly, searchable format (<http://www.coolroofs.org/products/search.php>). It is now easier for code officials, architects, homeowners, and specifiers to narrow their searches to fit their specific requirements. The Directory allows the user to search roofing products according to multiple parameters. Different search fields include: Keyword search,



Product type, Market type, Manufacturer, Brand, Model, Solar Reflectance value, Thermal Emittance value, Roof slope, and CRRC Product ID #. Users may search one or more fields simultaneously or separately—much more efficient than scrolling through a 35-page PDF!! Results can be sorted by the different search category headings as well. For those who still wish to see all products at once, clicking on the “show all products” link near the top of the page will bring back the entire Rated Products Directory list. So...happy searching!

Ratings, Programs and Codes

PG&E Residential Cool Roof Rebate

On September 13, PG&E announced their new Residential Cool Roof Rebate, which provides incentives for qualifying PG&E residential customers who re-roof their homes (to qualify, homeowners must re-roof with CRRC-rated roofing materials that meet prescribed minimum solar reflectance and thermal emittance requirements set by PG&E). PG&E is offering two rebate levels for steep slopes: \$0.20 per square foot for products with a minimum solar reflectance 0.40 and higher; and \$0.10 per square foot for products with a solar reflectance from 0.25-0.39. PG&E is also offering a rebate for low-slope residential products: \$0.20 per square foot for products with a solar reflectance of greater than or equal to 0.70. Additionally, all products must have a minimum thermal emittance of 0.75.

The rebate program will aid the market transition for the anticipated residential roofing requirements update to California’s Building Energy Efficiency Standard *Title 24* in 2008. Currently, the California Energy Commission (CEC) is discussing modifications to Title 24, and considering a cool roof prescription for residential roofs, as well as non-residential steep-slope roofs.

PG&E’s rebate program will run through November 30, 2008.

To view PG&E’s news release about “cool” rebates, visit this link:

http://www.pge.com/news/news_releases/q4_2006/061002.html

Or for more information, please visit PG&E’s website at:

http://www.pge.com/res/rebates/cool_roof/index.html

Energy Star Update

In July 2006, the Environmental Protection Agency (EPA) released the final draft Energy Star Version 2.0 Program Requirements for Roof Products. The proposed effective date has been extended to May 1, 2007.

One piece of big news is that Lawrence Berkeley National Laboratory’s (LBNL) Solar Reflectance Index (SRI) is included as an alternative method for products that do not meet the thermal emittance requirement of 0.75. This SRI alternative is designed for products that have a low thermal emittance but a very high solar reflectance—the theory is that the higher solar reflectance will outweigh the impact of a low thermal emittance. Additionally, though the EPA was considering increasing the minimum solar reflectance requirement to 0.70, they have decided against this, and will leave the requirement at 0.65.

SRI is defined by ASTM Standard E1980-01. EPA summarizes it as “the relative steady-state surface temperature with respect to the standard white (SRI=100) and standard black (SRI=0) under the standard solar and ambient conditions.” SRI is calculated in accordance with ASTM E-1980-01 using the solar reflectance and thermal emittance values of the product.

Technical Update

Technical Committee Meeting

The CRRC will be holding a special, in-person Technical Meeting at the Denver Grand Hyatt Hotel on Monday, November 13 from 9 a.m. to 5 p.m.

The Technical Meeting will attempt to answer the following key questions:

1. Which substrates should be required for CRRC product rating?
2. Does a coating over a black flexible substrate differ in 3-year reflectance from a coating over a smooth shiny rigid substrate; if so, by how much?
3. If substrates other than aluminum are used, can reproducible data be obtained?

Representatives from Accredited Laboratories, Manufacturers, and Trade Associations will present data on the effect of substrate on radiative properties of coatings. Approximately the first half of the meeting will be reserved for those presenters who wish to share data and their perspectives with the group. There will be Q&A time reserved after presentations.

A Request for Proposal has been drafted that would seek to answer many of the questions raised above, and will be discussed on the following day (November 14) at the Board Meeting. We look forward to hearing your questions, concerns, and opinions, and to resolving the issue at hand.

For more information on this meeting, visit our website's

Upcoming CRRC Meetings and Events

page (http://www.coolroofs.org/crrcnews_announcement3.html).

Upcoming Events

CRRC Membership Meeting

Save the date! The next Membership Meeting will be taking place on March 5, 2007 in conjunction with the International Roofing Expo (IRE) in Las Vegas, NV once again. The Expo will occur from March 5-7. More details are available at www.theroofingexpo.com. Look for an e-mail invitation from us in the next month

CRRC in Print

- The CRRC worked with *Maintenance Solutions Magazine* on a special section focusing on cool roofing for their August 2006 issue available at <http://www.facilitiesnet.com/ms/>.
- The CRRC wrote an article for the **Cool Roofing Supplement** that appeared in the September issues of *Roofing Contractor* and in *Environmental Design + Construction*, available at: (http://www.roofingcontractor.com/CDA/Articles/Cool_Roof/7bc87df78b7ad010VgnVCM100000f932a8c0) and (http://www.edcmag.com/CDA/Articles/Cool_Roof/34d99bab4815e010VgnVCM100000f932a8c0).
- The CRRC is pleased to be working with *Building Operating Management* magazine on a Special Report on Cool Roofs for their March 2007 issue. This special report will include information on the benefits of cool roofs, codes and programs, and industry trends. It will be distributed to over 73,000 building owners and facility executives.

For information on advertising in the March issue, please contact Vice-President/Group Publisher, Brad Ehlert at 414.228.7703 or brad.ehlert@tradepress.com