


## Re-roof Cool Roofs CEC reg. 149 (b) 1 B

Cool Roof requirements apply to non-residential roofs with low slope (2:12 slope or less) and where more than 50% of the roof is re-roofed **or** more than 2000 SF (whichever is less). Applies to all non-residential re-roofs over conditioned space except "I" occupancies (jails, hospitals, etc). Note that Hotels and Motels are also exempt.

Re-roof Cool Roof products may come in the form of modified bitumen, built up roofing, single ply thermo plastic, fluid applied roofing, coatings, or something else. All products shall have at least 0.70 initial reflectance and 0.75 initial emittance and a CRRC Product ID number. All re-roof products must be labeled as indicated below:


	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"></td> <td style="text-align: center;"><u>Initial</u></td> <td style="text-align: center;"><u>Weathered</u></td> </tr> <tr> <td style="text-align: center;"><b>Solar Reflectance</b></td> <td style="text-align: center;"><b>0.70 Min</b></td> <td style="text-align: center;"><b>Pending</b></td> </tr> <tr> <td style="text-align: center;"><b>Thermal Emittance</b></td> <td style="text-align: center;"><b>0.75 Min</b></td> <td style="text-align: center;"><b>Pending</b></td> </tr> </table>		<u>Initial</u>	<u>Weathered</u>	<b>Solar Reflectance</b>	<b>0.70 Min</b>	<b>Pending</b>	<b>Thermal Emittance</b>	<b>0.75 Min</b>	<b>Pending</b>
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<p>Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emittance on building performance may vary.</p> <p>Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.</p>										

The contractor should specify on the application and then permit staff should check the product by going to the CRRC rated products directory:

<http://www.coolroofs.org/ratedproductsdirectory.html>

Here is an example showing approved roofing type products from the directory:

Company Name and Contact	Brand	Model	Type	Initial Solar Reflect.	3-year Solar Reflect.	Initial Therm. Emit.
GAF Materials Corporation John Pohorsky 973-872-4355	Brai Supreme	Cool Cap App Poly Granule FR	Modified Bitumen	0.80	pending	0.84
GAF Materials Corporation John Pohorsky 973-872-4355	GAFGLAS	Energycap Mineral Surfaced Cap Sheet	Built-up Roofing	0.80	pending	0.90

	<b>Building Division</b>		
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