



# USGBC & LEED

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United States Green Building  
Council

Leadership in Energy and  
Environmental Design



## LEED NC 2.2

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- SS Credit 7.2 Heat Island Effect: Roof
- 1 Point
- Intent: Reduce heat islands to minimize impact on microclimate and human and wildlife habitat.



# LEED SS Credit 7.2

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- Three Options
- Option #1: Solar Reflective Index
- Option #2: Vegetated Roof
- Option #3: Combination of Options #1 and #2



# Option #1

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- Use roofing material having a Solar Reflectance Index (SRI) equal to or greater than the values in the table below for a minimum of 75% of the roof surface.
- Low Slope (= or Less than 2:12) SRI 78
- Steep Slope (greater than 2:12) SRI 29



## Option #2

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- Install a vegetated roof for at least 50% of the roof area.



## Option #3

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- Install high albedo and vegetated roof surfaces that, in combination, meet the following criteria:  $(\text{Area of SRI Roof}/0.75) + (\text{Area of vegetated roof}/0.50) \geq \text{Total Roof Area}$



# Potential Tech & Strategies

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- Product information is available from the Cool Roof Rating Council website, at [www.coolroofs.org](http://www.coolroofs.org)



# USGBC Contact Info

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- <http://www.usgbc.org>
- LEED NC 2.2 can be found:
- Top dark bar of USGBC home page look for “LEED” and click
- Next page, look at middle of page and click “New Commercial Construction ... (LEED NC)”