United States Green Building Council
Leadership in Energy and Environmental Design
LEED NC 2.2

- 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

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

- 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

- Install a vegetated roof for at least 50% of the roof area.
Option #3

- Install high albedo and vegetated roof surfaces that, in combination, meet the following criteria: (Area of SRI Roof/0.75) + (Area of vegetated roof/0.50) Greater than or = to Total Roof Area
Potential Tech & Strategies

- Product information is available from the Cool Roof Rating Council website, at www.coolroofs.org
USGBC Contact Info

- [http://www.usgbc.org](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)”