LEED BD+C: New Construction | v2 - LEED 2.2

Heat island effect - roof

SSc7.2 | Possible 1 point

Glossary

Intent

Reduce heat islands (thermal gradient differences between developed and undeveloped areas) to minimize impact on microclimate and human and wildlife habitat.

Requirements

Option 1

Use roofing materials 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.

OR

Option 2

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

OR

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 / 0.5) >= Total Roof Area

[INSERT TABLE HERE]