



Heat island reduction - roof

SSc6.2 | Possible 1 point

Intent

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

Requirements

Option A

- Have in place over the performance period ENERGY STAR®-compliant, high-reflectance and high emissivity roofing material that has a minimum emissivity of 0.9 when tested in accordance with ASTM 408 for a minimum of 75% of the roof surface.
- Provide records and results of quarterly inspections over the performance period to determine that these features are being maintained.

Option B

- Install/maintain a "green" (vegetated) roof for at least 50% of the roof area.
- Provide records and results of quarterly inspections over the performance period to determine that these features are being maintained.

Combinations of roofing materials that meet the requirements of Option A and Option B can be used providing they collectively cover the designated area. See the LEED for Existing Buildings Reference Guide for guidance on calculating achievement of credit requirements based on using a combination of Option A and B roofing materials.