

ALL OPTIONS

Option 1: SRI Roof

This active sample form has been modified for offline access. Modified fields and instructions are in purple. Sample forms are for reference only.

Select one of the following:

- ☐ LEED Design & Construction Streamlined Path. The project earned at least one point related to roof-related heat island reduction strategies under LEED for New Construction, LEED for Core and Shell, or LEED for Schools
- ☒ Operations & Maintenance Submittal Path. The project team will document compliance with the heat island reduction requirements of LEED-EB: O&M SS Credit 7.2

Select the option for a high-albedo materials.

Select one of the following:

- ☒ **Option 1:** High-albedo materials covering a minimum of 75% of the roof area.
- ☐ **Option 2:** Vegetated roof covering a minimum of 50% of the roof area.
- ☐ **Option 3:** A combination of high-albedo and vegetated roof covering the minimum required area .

Enter roofing material information for SRI roofing material.

HIGH-ALBEDO ROOF

Option 1: SRI Roof

Table SSc7.2-1. Reflective Materials: Roof

Complete the table below for all roof surfaces where materials with high reflectance are used to reduce heat absorption. For each material, enter the description and amount of coverage (sf). SRI values can be entered manually (if known), or calculated based on material reflectance and emissivity.

Material Description / ID	Square Footage (sf)	Reflectance (0-1)	Emittance (0-1)	SRI value (actual or calculated)		Roof Slope	Percent compliant (%)
Manufacture & Product	10,000	0		Calculate	110	Low ▼	148.45
Total roof area (excluding mechanical equipment, photovoltaic panels, and skylights) (sf)					9,500		
High-albedo roof area, as a percentage of total roof area (must be greater than or equal to 75 ¹) (%)					148.45		

Add Row

Delete Row

You can either enter the SRI directly or calculate base on reflectance & emittance

Option 1: SRI Roof

HIGH-ALBEDO ROOF

Table SSc7.2-1. Reflective Materials: Roof

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Manufacture & Product	10,000	0		Calculate	110	Low ▼	148.45
Total roof area (excluding mechanical equipment, photovoltaic panels, and skylights) (sf)					9,500		
High-albedo roof area, as a percentage of total roof area (must be greater than or equal to 75 ¹) (%)					148.45		

Add Row

Delete Row

The percent compliant is often greater than 100% because this is a weighted calculation based on SRI value and total SRI roof area. See FAQ's for more detail.

Option 1: SRI Roof

HIGH-ALBEDO ROOF MAINTENANCE

- ☒ A maintenance program is in place to ensure that SRI surfaces of these devices maintain good reflectance over time, including cleaning at least every two years.

Describe the cleaning procedures and schedule.

The building roof will be cleaned on a quarterly basis to maintain reflective surfaces and optimal performance. Per manufacturer's recommendations, the roof cleaning will include sweeping only and will not include power washing nor use chemical cleaners. Building facilities staff will be responsible for maintaining the roofing surface as a part of regular maintenance activities.

Describe the roof maintenance program to maintain SRI characteristics. Coordinate roof cleaning practices with the building exterior and hardscape management plan for SSc2.

Option 1: SRI Roof

A Licensed Professional Exemption (LPE) for a Registered Architect is available in lieu of a roof plan and product information.

Select one of the following:

☐ Streamlined Path: LPE (RA).

☒ Full Documentation Path.

Upload SSc7.2-1. Provide the project roof plan(s) or drawing(s) depicting project roof area and highlighting the location and quantity of specific roofing materials areas and/or vegetated roofing systems as applicable.

Upload SSc7.2-2. For each reflective roofing material, provide documentation (product specifications such as manufacturer cut sheets) verifying SRI values and/or emittance and reflectance percentages.

Upload Files: 

Upload Files: 



Provide roof plans confirming the SRI roof areas and supporting manufacturer documentation confirming the SRI value for the roof membrane.

Option 2: Vegetated Roof

Select one of the following:

- ☐ Option 1: High-albedo materials covering a minimum of 75% of the roof area.
- ☒ Option 2: Vegetated roof covering a minimum of 50% of the roof area.
- ☐ Option 3: A combination of high-albedo and vegetated roof covering the minimum required area .

VEGETATED ROOF

Total roof area (excluding mechanical equipment, photovoltaic panels and skylights):

10,000 sf

Total vegetated roof area:

6,500 sf

Vegetated roof area, as a percentage of total roof area:

65 %

The vegetated roof area must be at least 50% of the total roof area to earn 1 point, and 100% to achieve exemplary performance.

Input vegetated roof area.

Option 2: Vegetated Roof

VEGETATED ROOF MAINTENANCE

- ☒ A maintenance program is in place to ensure that the areas of vegetated roof are sustaining vegetation over time.

Describe the maintenance procedures and schedule.

Vegetated roof areas are maintained through a landscape service contractor. Landscaping activities are conducted the months of April through October. Regular landscape activities include manual pruning and weeding, application of organic fertilizer as needed, and monitoring plant and soil health. The vegetated roof has been established and does not require irrigation except during times of extreme drought.

Describe the maintenance practices to sustain the vegetated roof in good condition.

Option 2: Vegetated Roof

Select one of the following:

- ☐ Streamlined Path: LPE (RA).
- ☒ Full Documentation Path.



Upload SSc7.2-1. Provide the project roof plan(s) or drawing(s) depicting project roof area and highlighting the location and quantity of specific roofing materials areas and/or vegetated roofing systems as applicable.

Upload

Files:

Upload plans highlighting the vegetated roof.