



LEED 2009 for Schools New Construction and Major Renovation

SS CREDIT 7.1: HEAT ISLAND EFFECT - NONROOF

All fields and uploads are required unless otherwise noted.

ALL OPTIONS

This static sample form has been modified for offline access. All sections of the form are visible. Sample forms are for reference only.

Select one of the following:

- ☐ **Option 1. Site Hardscape.** A combination of shading, high reflectance, and/or open-grid paving is provided for at least 50% of the site hardscape.
- ☐ **Option 2. Parking Under Cover.** At least 50% of parking is placed under cover.

OPTION 1. SITE HARDSCAPE

Select one of the following:

- ☐ **Reflective Materials.** The nonroof heat absorption reduction strategies at the project include materials with an SRI of at least 29.
- ☐ **No Reflective Materials.** The nonroof heat absorption reduction strategies at the project do NOT include materials with an SRI of at least 29.

Table SS7.1-1. Reflective Materials

Complete the table below for all hardscape surfaces or architectural shading devices where materials with high reflectance are used to reduce heat absorption. SRI values can be entered manually (if known), or calculated based on material reflectance and emissivity. For projects using existing weathered gray concrete hardscapes, provide documentation in the "Additional Details" section of the form to demonstrate that the weathered surfaces have been sufficiently cleaned and lightened to qualify for the default SRI values.

Material Description	Area of Coverage (sf)	Reflectance (0-1)	Emittance (0-1)	SRI value (actual or calculated)
Total qualifying area (sf)				

Table SS7.1-2. Heat Absorption Reduction Strategies

Complete the table below for all nonroof heat absorption reduction strategies employed at the project site.

Area shaded by current and future tree canopy, within 5 years of installation (sf)	
Area shaded by structures covered with energy-producing solar panels (sf)	

Area covered by qualifying reflective materials (sf)	
Area covered by open-grid pavement system (at least 50% pervious) (sf)	
Total area of qualifying nonroof hardscape surfaces (sf)	
Total area of all nonroof hardscape surfaces on project site (sf)	
Qualifying non-roof surfaces as a percentage of total non-roof surfaces (must be at least 50%)	

One exemplary performance point is available to project teams that have 100% of qualifying nonroof hardscape.

OPTION 2. PARKING UNDER COVER

Select one of the following:

- ☐ **Reflective Materials.** The project includes parking that is shaded or covered by materials with an SRI of at least 29.
- ☐ **No Reflective Materials.** The project does NOT include parking that is shaded or covered by materials with an SRI of at least 29.

Table SSc7.1-3. Reflective Materials : Parking

Complete the table below for all reflective surfaces covering or providing shade for parking at the project site. SRI values can be entered manually (if known), or calculated based on material reflectance and emissivity.

Material Description	Parking Spaces	Reflectance (0-1)	Emittance (0-1)	SRI value (actual or calculated)
Qualifying parking spaces				

Table SSc7.1-4. Parking Spaces Under Cover

Complete the table below for all parking at the project site.

Number of spaces covered by roofing materials with an SRI of at least 29	
Number of spaces covered by vegetated roof	
Number of spaces covered by roof covered by solar panels	
Number of spaces underground or under a building	
Number of all other spaces under cover, including spaces under a deck	
Total number of qualifying parking spaces	
Total number of parking spaces provided for building users (may include reserved off-site parking)	
Percentage of compliant parking spaces (must be at least 50%)	

One exemplary performance point is available to project teams that have 100% of the parking spaces located under cover.

A scaled site or landscape plan identifying all hardscape and parking areas at the project site is required to document compliance with SS Credit 7.1. The site plan below is a linked submittal. (If no document is present, or if the document does not include the required information, upload a site plan which meets the above requirements.)

Upload L-2. Provide the site plan for the project.

Files:

Select one of the following:

- ☐ The site plan above identifies all hardscape and parking areas at the project site.
- ☐ A different document is better suited to satisfy this requirement.

Upload SS7.1-1. Provide a site or landscape plan identifying all hardscape and/or parking areas.

Files:

ADDITIONAL DETAILS

- ☐ Special circumstances preclude documentation of credit compliance with the submittal requirements outlined in this form.

SPECIAL CIRCUMSTANCES

Describe the circumstances limiting the project team's ability to provide the submittals required in this form. Be sure to reference what additional documentation has been provided, if any. Non-standard documentation will be considered upon its merits.

Upload SSc7.1-SC. Provide any additional documentation that supports the claim to special circumstances. (Optional)

Files:

- ☐ The project team is using an alternative compliance approach in lieu of standard submittal paths.

ALTERNATIVE COMPLIANCE PATH

Describe the alternative compliance path used by the project team. Include justification that this path meets the credit intent and requirements. Be sure to reference what additional documentation has been provided, if any. Non-standard documentation will be considered upon its merits.

Upload SSc7.1-ACP. Provide any additional documents that support the alternative compliance path approach. (Optional)

Files:

- ☐ The project team is using the above alternative compliance path to document exemplary performance of SS Credit 7.1.

SUMMARY

SS Credit 7.1: Heat Island Effect - Nonroof Points Documented:

SS Credit 7.1: Heat Island Effect - Nonroof Exemplary Performance Documented:

- ☐ The project team reserves one point in the Innovation and Design credit category for SS Credit 7.1.