

## Cool Roof Post Evaluation Checklist

PROJECT INFORMATION				
Property Address				
Brief Installation Description and Material Types Used				
Roof Condition/Age				
Roof Type (e.g., flat, pitched, shingles)				
Pitch angle (if any)				
Installation Type (e.g., integrated, coating)				
Installation Company (if applicable)				
Inspector Name				
Inspection Date				
Time of Visit				
Ambient Temperature				
Surface Temperature of Roof				
Total Installation Cost (\$/ft <sup>2</sup> )				
Manufacturer's Solar Reflectance Index (SRI) of Materials <u>or</u> Solar Reflectance and Thermal Emittance				
Energy Consumption Before Installation: (kWh/year; BTU/year)				
Energy Consumption After Installation: (kWh/year; BTU/year)				
Inspection Checklist				
Yes	No	N/A	General	Note
			Roof coating/integration installed per workorder.	
			Installation is of industry standard and workmanlike quality.	
			The roof condition is good and predicted to last at least 20 years.	
			The climate zone is relevant for energy savings associated with cool roof technologies (i.e., US Climate Zones 1-3).	
			Installation is consistent with manufacturers' instructions.	
			Materials are rated by the Cool Roof Rating Council ( <a href="http://www.coolroofs.org/products/search.php">http://www.coolroofs.org/products/search.php</a> ) or by Energy Star ( <a href="http://downloads.energystar.gov/bi/qplist/roofs_prod_list.pdf">http://downloads.energystar.gov/bi/qplist/roofs_prod_list.pdf</a> )	
			Installation is aligned with local building codes and ordinances.	

			Certification of Installation provided by the installer.	
			City inspection(s) have been passed: Permit # _____ Date _____	
<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Materials</b>	<b>Note</b>
			Materials used outdoors are approved for outdoor conditions.	
			Materials are designed to withstand the temperatures to which they are exposed at the panel.	
			Metals are coated with anti-oxidizers where applicable.	
			Aluminum is not placed in direct contact with concrete.	
			High quality fasteners are used.	
			Structural members are made of approved materials and suited for snow/wind loads.	
<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Structural</b>	<b>Note</b>
			The pitch is adequate to prevent ponding and moisture buildup.	
			The roof is free of any damages or leaks.	
			There is no sign of condensation, damage or leaks internally (e.g., in the attic, roof space, or damage to insulation, etc).	
			Low sloping roof (9.5° or less, 2:12 rise over run) has a solar reflectance of at least 0.55, a thermal emittance of at least 0.75, or a solar reflectance index (SRI) of 64.	
			Steep sloping roof (9.5° or more, greater than a 2:12 rise over run) has a solar reflectance of at least 0.20, a thermal emittance of at least 0.75, or a solar reflectance index (SRI) of 16.	
<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Surroundings</b>	<b>Note</b>
			The installation is not reflecting light into neighboring buildings.	
			There are no features installed on top of the roof which suffer from the cooler temperatures (i.e., solar PV panels need to absorb sunlight, so may not be as effective on a cool roof).	
<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Maintenance</b>	<b>Note</b>
			Occupants have a maintenance schedule in place for the cool roof.	
			The roof is clear of debris, ponded water, algae or mold, etc.	
			The installation is in good condition without cracking, peeling, or weathering of shingles, tiles, etc.	
<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Visual Inspection</b>	<b>Note</b>
			Physical installation is per design drawing and manufacturer's specification, and it	

			meets visual requirements.	
			All materials are permanently installed.	
			Installation is compliant with applicable building and electrical codes.	
<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>System Documentation</b>	<b>Note</b>
			Customer Manual is provided and includes:	
			___ Operation & Maintenance Instructions	
			___ Installation Design	
			___ Contractor Warranty	
			___ Manufacturers' Warranties	
			___ Permit(s)	
<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Owner Education</b>	<b>Note</b>
			___ Owner understands basic operation and principles.	
			___ Owner understands required maintenance.	
			___ Owner knows who to call in the case of an emergency.	
			___ Owner understands proper safety procedures if roof access is required.	