

Steps for Installing Solar on a Carlisle Warranted Roof

When considering rooftop solar, it is important to make sure the roof system is designed to last for the expected life of the solar array. It should also be designed to maximize solar power generation and must stand up to any additional foot traffic for maintenance of the solar panels. One of the biggest mistakes a building owner can make when investing in solar is ignoring the roof system beneath it. Installing a new roof as part of a solar energy system may also provide tax incentives or opportunities to lower the cost of installing a new roof.

This guide lays out the steps to follow for maintaining warranty coverage when installing a solar array on a Carlisle roof.

For additional information and solar-related questions about inspections and warranties, please contact Carlisle Warranty Administration at 1-877-797-8370.

New roofs (solar installed within 1 year of roof completion date on warranty):

1 Warranty inspection:

- » Applicator files a notice of completion with Carlisle and notifies Carlisle that solar panels will be installed on the roof.
- » Carlisle Field Service Representative (FSR) completes the inspection for warranty with the applicator. Roof must pass inspection and warranty fee must be paid prior to solar installation.

2 Pre-Solar Panel Installation:

- » Prior to installation, the building owner must complete and return Carlisle's Letter of Compliance form for solar projects. This letter outlines warranty requirements and provides Carlisle Warranty Administration with solar project information.

3 Solar panel installation:

- » Solar panels are installed.
Note: Carlisle recommends that solar racking is anchored to a structural component of the building. Attachment methods that rely on a weld or adhesion directly to the roof membrane will not be accepted.
- » Any roof penetrations or anchors must be installed or flashed by a Carlisle authorized applicator per Carlisle specifications and details.

- » Carlisle promotes the use of Anchor Products U2400 and U3400 anchors to ensure compatibility with EPDM, TPO, PVC, and KEE HP membranes when applicable Carlisle flashing material is used. The seam between the solar anchor flashing and the Carlisle roofing system qualifies for warranty inclusion when installed by a Carlisle Authorized Applicator.

Review Carlisle's PV Letter of Compliance and Solar Ready Roof Brochure for alternative PV attachment method requirements.

Note: Penetrations or anchors for solar racking must be accessible to allow inspection by a Carlisle Field Service Representative at time of post installation Inspection for inclusion in warranty.

4 Post-installation inspection:

- » Notify Carlisle that the solar installation is complete.
- » The roof must be reinspected for damage and proper installation of any new details. Inspection fee of \$750 must be paid prior to scheduling inspection.
- » Any damage must be repaired prior to acceptance for warranty continuation.

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Existing roofs (solar installed more than 1 year after roof completion date on warranty):

When solar panels are installed on an existing Carlisle warranted roof (1 year or more from completion date on the roof system warranty), only a post-installation inspection is required since the final inspection for warranty was already completed.

1 Pre-installation:

- » Prior to installation, the building owner or the owner's authorized representative must complete and return Carlisle's PV Letter of Compliance. This form outlines the applicable warranty requirements and provides Carlisle's Warranty Administration team with the necessary project information. In addition, a roof plan identifying the proposed location of the solar array must be submitted.
- » Refer to step 3 under "New roofs" for compatible solar attachment anchors and racking.

2 Post-installation inspection:

- » Notify Carlisle Warranty Administration that solar has been installed on the roof.
- » The roof must be inspected for damage and proper installation of any new details. Inspection fee of \$.05 per square foot (\$750 minimum) must be paid prior to scheduling inspection.
- » Any damage must be repaired prior to acceptance for warranty continuation.

