

SolarDek™ BirdBrush

INSTALLATION GUIDE



Pre-Installation Checklist:

- Inspect the installation area for active bird nests. Refer to RSPB guidelines for nesting seasons.
- Assess the solar array perimeter to calculate the number of BirdBrush units needed. Divide the total length in meters by 1.2 to get the number of units.
- Please remember that BirdBrush can be fitted to the roof mounting system prior to the on-roof installation of solar panels.

Material Specifications:

- Material: Polyethylene terephthalate (PET) - shatterproof and BPA-free, 100% recyclable.
- Stainless Steel central spine - 100% Recyclable.
- Length: 1010mm ± 10mm.
- Diameter: 160-165mm.
- Connections: Twist-lock end tabs for continuous connections.
- Packaging: Sold in cartons of 20 units.

Installation Steps:

- Ensure the BirdBrush fits snugly against the panels and roof profile without excessive gaps.
- If cutting is required, snip through the stainless-steel core and remove 35mm of bristle to create a new link end.
- Twist back the central core wires with grips to secure the bristles within the core.
- Bend the newly twisted end 90 degrees to adjust the length.
- Connect the BirdBrush lengths by twisting the ends to secure them, ensuring continuous bristle contact.
- Install the BirdBrush either before or after panel installation, securing with cable ties as necessary.

Post-Installation:

- Ensure there are no gaps which could allow bird or animal access.
- Periodically inspect the installation for any issues.

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Further Installation Guidance and Disclaimer

We hope you enjoy using SolarDek BirdBrush with its simple installation process, which removes the need to install a fiddly and expensive clip-based system attached to the edge of the solar panels. Please note the following important points prior to installation.

- BirdBrush should be installed by a specialist and experienced solar system installer with the necessary training.
- When installing the product, installers should:
 - Avoid scratching the stainless-steel core with sharp objects
 - Test connections for security and avoid excessive tightness that may strain the joints
- The installer is responsible for ensuring that BirdBrush is a suitable and safe solution for the installation due to the huge variation in solar systems and roof types.
- DEKS does not assume any responsibility for the correct use, suitability and/or installation of BirdBrush.
- The installer and owner must adhere to applicable building regulation guidelines.
- The installer should also adhere to applicable Health and Safety regulations and guidelines, noting the risks inherent in at-height working.
- DC arc faults can occur wherever there are joints in the DC cables, a breakdown of cable continuity or a breakdown of insulation, which can be caused by a number of factors including previous bird/ animal attack. BirdBrush must not be installed next to or close to any cables and/or connectors that could arc. We recommend that suitable arc protection is used to try and eliminate arc events.
- DEKS cannot be held responsible for any damage arising from a failure to install suitable arc protection.
- If BirdBrush is retrofitted to existing PV systems, please ensure that it is not breeding season as in some jurisdictions moving nests can be a punishable offence.
- Guano present on existing systems can be hazardous to health, please ensure you follow the correct guidelines for dealing with this if it is present during the installation of BirdBrush.
- Whilst BirdBrush should act as an effective deterrent to bird / animal ingress we cannot guarantee 100% protection and the installation should be periodically inspected and well maintained.