EcoFasten®
For Installers. By Installers.

SIMPLE GRIP-SQ®

THE SELF-FLASHED SOLUTION FOR ROLLED AND MEMBRANE ROOFS

INSTALLATION GUIDE

REVISION: 1/24/25	**VERSION:** V3.2

SIMPLEGRIP-SQ
INSTALLATION GUIDE

EcoFasten®
For Installers. By Installers.

CLICKING THE PAGE NAME WILL TAKE YOU TO THAT PAGE

TABLE OF CONTENTS PAGE 01

FEATURES & BENEFITS PAGE 02

COMPONENTS PAGE 03

INSTALLATION PAGE 04

SPECIFICATIONS PAGE 07

TABLE OF CONTENTS

SIMPLEGRIP-SQ
INSTALLATION GUIDE

EcoFasten®
For Installers. By Installers.

SIMPLEGRIP-SQ

SimpleGrip-SQ is designed to attach PV modules to rolled or membrane roofs with pitches from 1/4:12 - 21:12. The base is compressed between two layers of adhesive to create a watertight seal without the need for additional flashing. The compression plate protects the adhesive and features a watertight grommet that can be combined with any EcoFasten bracket.

FEATURES

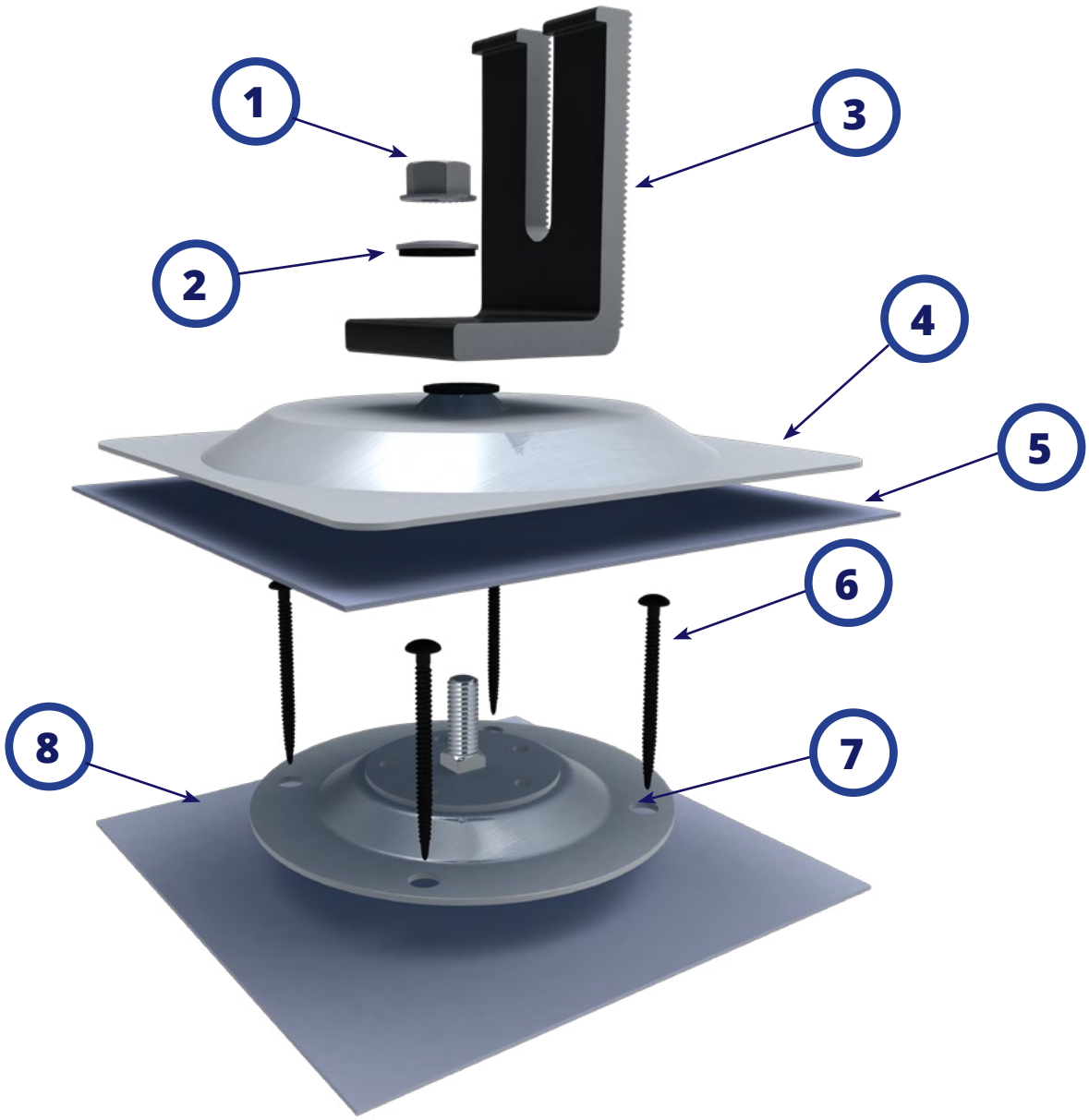
- Patented Watertight Technology
- Four self-drilling screws optimum uplift and fast installation
- UV Ray shielded mastic prevents degradation
- Installs without cutting into the roof

FEATURES + BENEFITS

SIMPLEGRIP-SQ
INSTALLATION GUIDE

EcoFasten®
For Installers. By Installers.

SYSTEM COMPONENTS

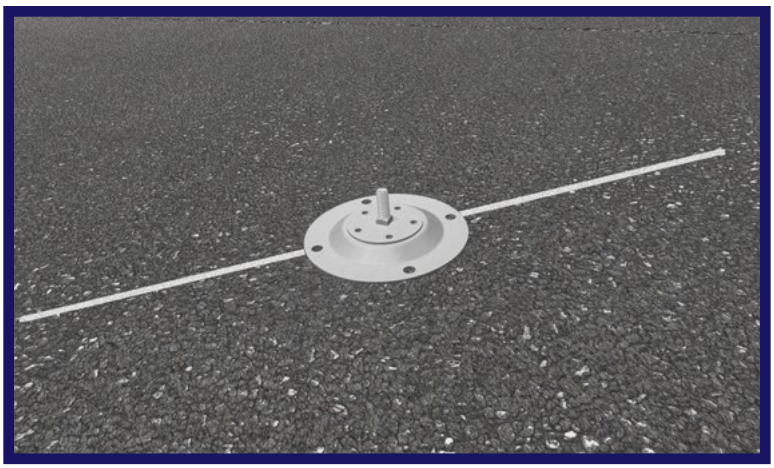


1. 5/16" SERRATED FLANGE NUT
2. 5/16" EPDM BONDED SEALING WASHER
3. L-FOOT SCL-101 BLK 3”
4. SIMPLEGRIP BASE ASSEMBLY AL (FLASHING)
5. ADHESIVE TOP
6. #15-13 SELF DRILLING FASTENER (2 OR 4X)
7. SIMPLEGRIP BASE ASSEMBLY AL (BASE PLATE)
8. ADHESIVE BOTTOM

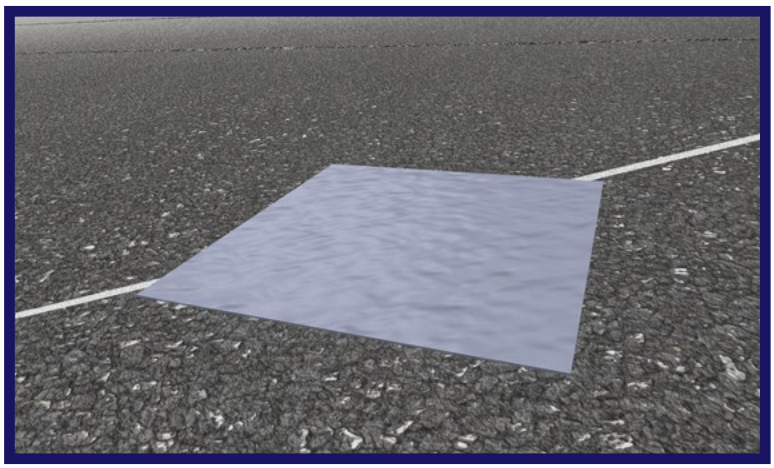
SIMPLEGRIP-SQ
INSTALLATION GUIDE

EcoFasten®
For Installers. By Installers.

INSTALLING SIMPLEGRIP-SQ

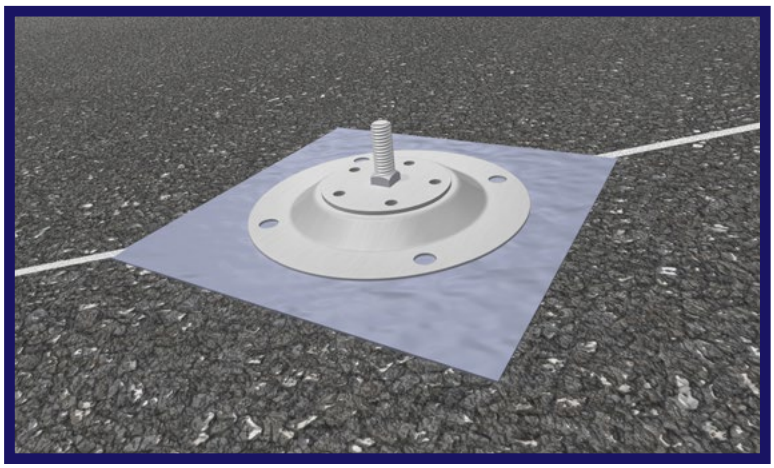


Locate and mark off rafters then determine location for the SimpleGrip-SQ Base Plate over the rafter. Pre-drill a single 1/8" hole into roof to confirm rafter location.



Clear the mount location of debris with a brush or compressed air. Peel off release liner from one side of Adhesive Bottom and place and roll onto roof surface at the marked location of the Base Plate.

*See NOTES below for working with EternaBond Adhesive.

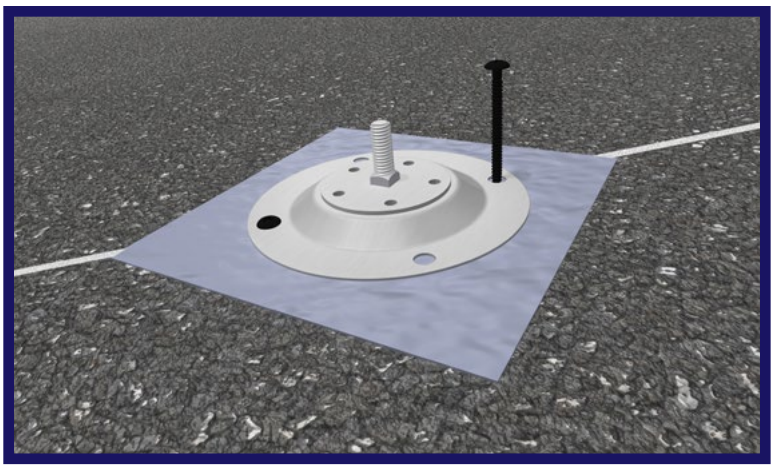


Peel off and remove the top side of the release liner from the Adhesive Bottom sheet and place Base Plate in the center of the Adhesive Bottom, taking care that mounting holes are oriented over the center of the rafter.

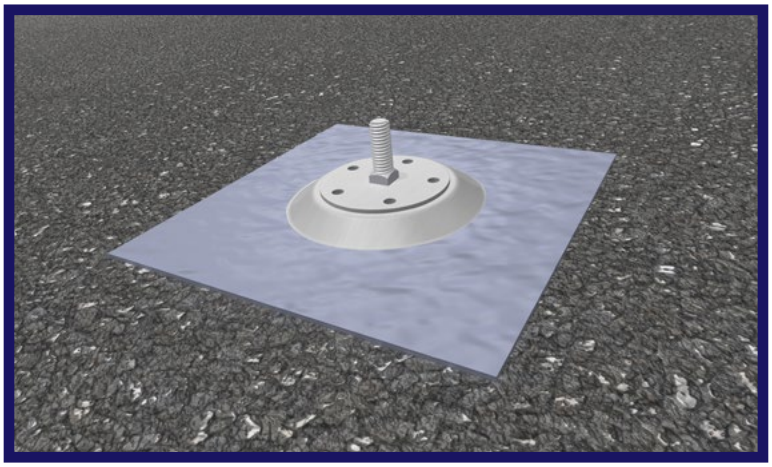
SIMPLEGRIP-SQ
INSTALLATION GUIDE

EcoFasten®
For Installers. By Installers.

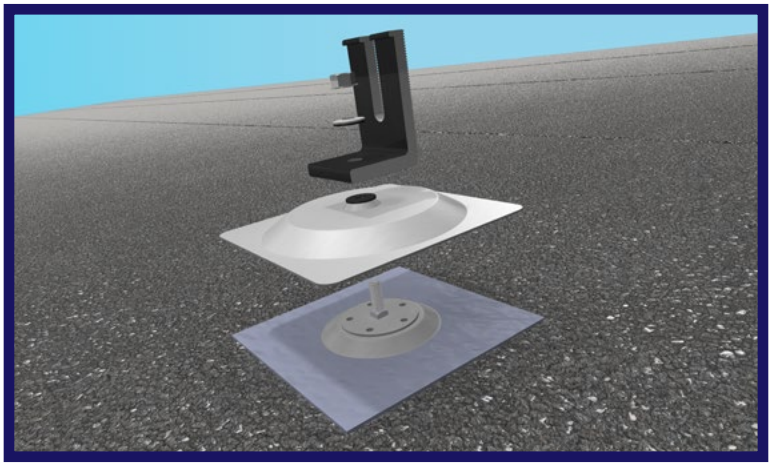
INSTALLING SIMPLEGRIP-SQ



Install a minimum of 2 fasteners into rafter at opposite sides of the Base Plate. 2 Additional fasteners can be installed in the opposing holes into the roof deck for additional strength.

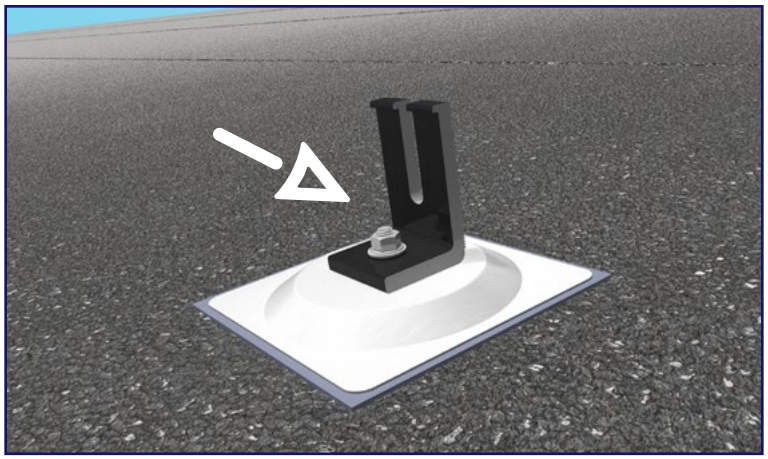


Peel off and remove one side of the release liner on Adhesive Top sheet and place over the perimeter of the Base Plate. Peel off and remove the top side of release liner from the adhesive Top sheet.



Install the SimpleGrip-SQ Flashing over the threaded stud of the Base Plate. Attach one of EcoFasten's compression brackets to the threaded stud. Install the bonded sealing washer with rubber side facing down, followed by the 5/16" serrated flange nut.

INSTALLING SIMPLEGRIP-SQ



Torqe Serrated Flange Nut to 100-140 inch pounds.

*WORKING WITH ETERNABOND ADHESIVE

- EternaBond adhesive sheets are compatible with a variety of roof types including membrane and rolled roofing (excluding PVC roofs.)
- Surface must be dry and clear of all oil, grease, dust dirt or other debris. Use a dry brush or compressed air to clear the area.
- Ambient air temp should be above 40 degrees F or use EternaPrime Primer down to -20 degrees F.
- To Install peel off and remove one side of the release liner and apply to the roof surface. Rub or roll with pressure using your hand or steel roller to activate bonding process.

DISCLAIMER

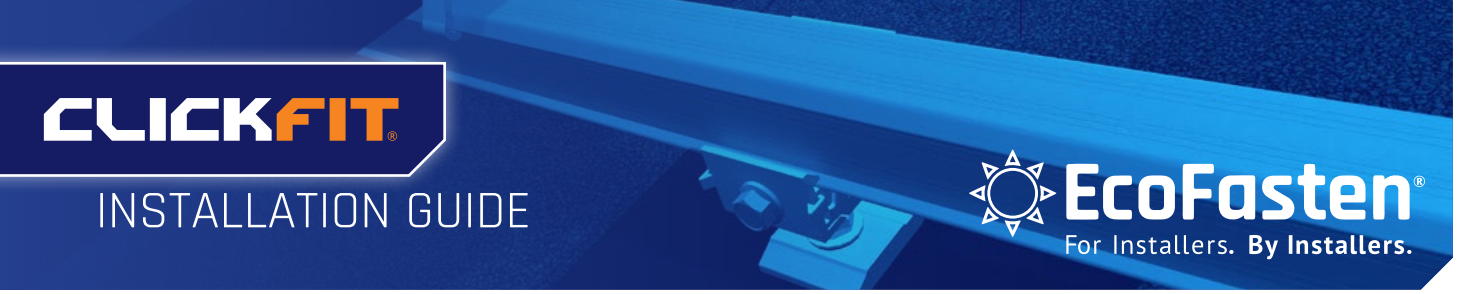
This manual describes proper installation procedures and provides necessary standards required for product reliability. Warranty details are available on the website. All installers must thoroughly read this manual and have a clear understanding of the installation procedures prior to installation. Failure to follow these guidelines may result in propertery damage, bodily injury, or even death.

IT IS THE INSTALLER'S RESPONSIBILITY TO:

- Ensure safe installation of all electrical aspects of the array. All electrical installation and procedures should be conducted by a licensed and bonded electrician or solar contractor.
- All work must comply with national, state and local installation procedures, product and safety standards, including the proper use of PPE.
- Comply with all applicable local or national building and fire codes, including any that may supersede this manual.
- Ensure all products are appropriate for the installation, environment, and array under the site's loading conditions.
- Use only EcoFasten parts or parts recommended by EcoFasten; substituting parts may void any applicable warranty.
- Review the Design Assistant and Certification Letters to confirm design specifications.
- Ensure provided information is accurate. Issues resulting from inaccurate information are the installer's responsibility.
- Ensure bare copper grounding wire does not contact aluminum and zinc-plated steel components, to prevent risk of galvanic corrosion.
- If loose components or loose fasteners are found during periodic inspection, re-tighten immediately. Any components showing signs of corrosion or damage that compromise safety shall be replaced immediately.
- Provide an appropriate method of direct-to-earth grounding according to the latest edition of the National Electrical
- Code, including NEC 250: Grounding and Bonding, and NEC 690: Solar Photovoltaic Systems.
- Disconnect AC power before servicing or removing modules, AC modules, microinverters and power optimizers.
- Review module and any 3rd party manufacturer's documentation for compatibility and compliance with warranty terms and conditions.
- Module mounting rails shall not be used as scaffolding, a roof jack, or any form of an anchoring point for roof personnel.
- Ensure that the roof is in good condition prior to installing any EcoFasten components.

CLICKFIT®

INSTALLATION GUIDE



EcoFasten®
For Installers. By Installers.

FOR INSTALLERS. BY INSTALLERS.

Under the PanelClaw brand and Enstall's corporate umbrella, EcoFasten has established a reputation as one of the industry's leading innovators by providing expert solutions for mounting solar PV on any roof. EcoFasten's broad portfolio of solar rooftop mounting systems and attachments stems from the direct needs of solar PV installers. EcoFasten takes pride in providing the right solution for every application.

EcoFasten®

1295 W. WASHINGTON STREET, SUITE 110, TEMPE, AZ 85288

877-859-3947 | INFO@ECOFASTENSOLAR.COM|ECOFASTENSOLAR.COM