



Most Widely Accepted and Trusted

ICC-ES Report

ESR-3575

ICC-ES | (800) 423-6587 | (562) 699-0543 | www.icc-es.org

Reissued 02/2016
This report is subject to renewal 02/2018.

DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
SECTION: 07 65 00—FLEXIBLE FLASHING

REPORT HOLDER:

ROOF TECH, INC.

333 H STREET, SUITE 5000
CHULA VISTA, CALIFORNIA 91910

EVALUATION SUBJECT:

ROOF TECH [E] MOUNT SOLAR PV MOUNTING SYSTEM



Look for the trusted marks of Conformity!

“2014 Recipient of Prestigious Western States Seismic Policy Council (WSSPC) Award in Excellence”



ICC-ES Evaluation Reports are not to be construed as representing aesthetics or any other attributes not specifically addressed, nor are they to be construed as an endorsement of the subject of the report or a recommendation for its use. There is no warranty by ICC Evaluation Service, LLC, express or implied, as to any finding or other matter in this report, or as to any product covered by the report.



ICC-ES Evaluation Report

ESR-3575

Reissued February 2016

Revised March 2016

This report is subject to renewal February 2018.www.icc-es.org | (800) 423-6587 | (562) 699-0543

A Subsidiary of the International Code Council®

**DIVISION: 07 00 00—THERMAL AND MOISTURE
PROTECTION****Section: 07 65 00—Flexible Flashing****REPORT HOLDER:****ROOF TECH, INC.**
333 H STREET, SUITE 5000
CHULA VISTA, CALIFORNIA 91910
(619) 551-7029
www.roof-tech.us**EVALUATION SUBJECT:****ROOF TECH [E] MOUNT SOLAR PV MOUNTING SYSTEM****1.0 EVALUATION SCOPE****Compliance with the following code:**

- 2015, 2012, 2009 and 2006 *International Building Code*® (IBC)
- 2015, 2012, 2009 and 2006 *International Residential Code*® (IRC)

Properties evaluated:

- Durability
- Water resistance

2.0 USES

The Roof Tech [E] Mount Solar PV mounting system is used as flashing at roof penetrations which result during installation of the bracket to the roof structure of roofs covered with asphalt shingles.

3.0 DESCRIPTION

The Roof Tech [E] Mount Solar PV mounting system is composed of metal bracket, wood screws and the RT Butyl Tape used to seal penetrations created during installation over a roof covered with asphalt shingles. The [E] Mount brackets are made from aluminum and come in two types, [E] Mount and [E] Mount Air. Both of the brackets are similar except that the [E] Mount Air has a taller profile. The wood screws are made from stainless steel having a hex-head and installed with a stainless steel washer and a rubber washer. The RT Butyl Tape is butyl-based rubber and has a nominal thickness of 0.118 inch. See Figure 1 for a description of the [E] Mount bracket system components.

4.0 INSTALLATION

Installation of the Roof Tech [E] Mount Solar PV mounting system must comply with this report and the

manufacturer's published installation instructions. The manufacturer's published installation instructions must be available at the jobsite at all times during installation.

The mounting bracket must be installed over the asphalt shingle at the determined location. The RT Butyl Tape is placed beneath the bracket and over the asphalt shingle. Wood screws are then used to fasten the bracket to the roof. Roofing sealant must be applied as recommended by Roof Tech, Inc. installation instructions. The Roof Tech [E] Mount Solar PV mounting system has been evaluated to be installed on roofs covered with asphalt shingles and having minimum slopes of 3:12 (25 percent) and maximum slopes of 12:12 (100 percent).

5.0 CONDITIONS OF USE

The Roof Tech [E] Mount Solar PV mounting system described in this report complies with, or is a suitable alternative to what is specified in, the code indicated in Section 1.0 of this report, subject to the following conditions:

- 5.1** The Roof Tech [E] Mount Solar PV mounting system must be installed in accordance with this report and the manufacturer's published installation instructions. In the event of a conflict between this report and the manufacturer's published installation instructions, this report governs.
- 5.2** The structural capacity of the [E] Mount Solar PV mounting brackets and their connection to the roof are outside the scope of this report and must be determined by a registered design professional to the satisfaction of the code official.

6.0 EVIDENCE SUBMITTED

- 6.1** Rain test data in accordance with Section 4.1 of the ICC-ES Acceptance Criteria for Roof Flashing for Pipe Penetrations (AC286), dated October 2012 (editorially revised August 2013).
- 6.2** Self-sealability, thermal stability and thermal cycling data.
- 6.3** Quality documentation in accordance with the ICC-ES Acceptance Criteria for Quality Documentation (AC10) dated June 2014.
- 6.4** Report holder's published installation instructions.

7.0 IDENTIFICATION

The Roof Tech [E] Mount Solar PV mounting system is identified with a label bearing the report holder's name (Roof Tech, Inc.), the product name or designation, and the evaluation report number (ESR-3575).

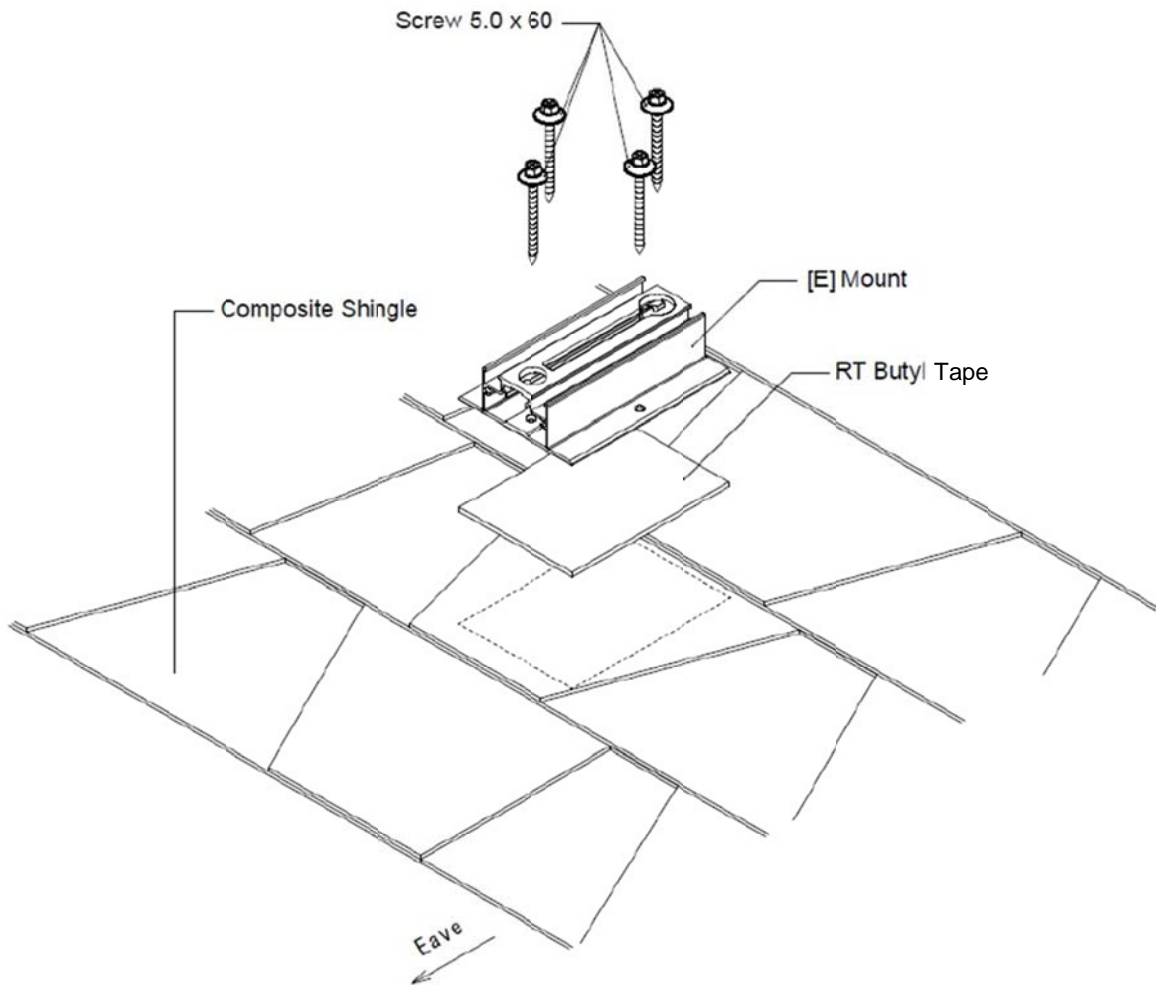


FIGURE 1—[E] MOUNT SOLAR PV MOUNTING BRACKET ASSEMBLY