

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION

Effective February 1, 2012

FA-21

*The following product has been evaluated for compliance with the wind loads specified in **International Residential Code (IRC)** and the **International Building Code (IBC)**. This product shall be subject to reevaluation **February 2015**.*

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

BPA Claw and Strap, manufactured by

Building Performance Americas USA Inc.
9415 Discovery Terrace #202
Brandenton, FL 34212
Telephone: (941) 320-6350

will be acceptable for use in designated catastrophe zones along the Texas Gulf Coast when installed in accordance to manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

General Description: The BPA Claw and Strap is intended to be used as a retrofit truss/rafter tie-down with an upper piece that grabs over the top of a wood roof framing member (truss or rafter) and a tail piece, which connects the top piece to the wall framing below. The BPA Claw is fabricated from 10 gauge, 1050 carbon steel with a galvanized coating meeting ASTM A641. The BPA strap is fabricated from 10 gauge, G90 galvanized steel.

LIMITATIONS

Design Drawings: The BPA Claw and Strap shall be installed in accordance with BPA Claw and Strap drawing 08-01345, sheets 1-3 of 3, dated September 19, 2011, signed and sealed by Luis R. Lomas, P.E., on September 23, 2011. The referenced drawings shall be referred to as the approved drawings in this report.

Allowable Uplift Load: 990 lbs. This product is not rated for lateral loads.

Wall Construction: The BPA strap may be anchored to the following types of wall framing:

- Pre-cast concrete, cast-in-place concrete (minimum 2,000 psi).
- Grout-filled concrete masonry units (CMU), conforming to ASTM C-90.
- Wood dimension lumber (minimum specific gravity of 0.42).

Roof Framing: The rafter or truss roof framing member must be Southern Pine.

INSTALLATION INSTRUCTIONS

General Installation Requirements: All requirements specified in the International Residential Code (IRC) and the International Building Code (IBC) shall be satisfied. The manufacturer's installation instructions shall be followed unless otherwise specified by this product evaluation.

Installation: The BPA Claw and Strap shall be installed in accordance with the approved drawings.

Note: The manufacturer's installation instructions shall be on the job site during the installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC); the International Building Code (IBC); and the Texas Revisions.