



BUILDING CODE COMPLIANCE OFFICE (BCCO)  
 PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA  
 METRO-DADE FLAGLER BUILDING  
 140 WEST FLAGLER STREET, SUITE 1603  
 MIAMI, FLORIDA 33130-1563  
 (305) 375-2901 FAX (305) 375-2908

**NOTICE OF ACCEPTANCE (NOA)**

**Stevens Roofing Systems**  
**9 Sullivan Road**  
**Holyoke, MA 01040**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by the BCCO and accepted by the Building Code and Product Review Committee to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: Stevens TPO Single Ply Roofing System over Wood Decks.**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews and revises NOA No. 03-0730.02 and consists of pages 1 through 12.  
 The submitted documentation was reviewed by Jorge L. Acebo



NOA No: 06-0207.04  
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 Approval Date: 06/01/06  
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## ROOFING SYSTEM APPROVAL

Category: Roofing  
Sub-Category: Single Ply  
  
Material: TPO  
Deck Type: Wood  
Maximum Design Pressure: -60 psf  
Fire Classification: See General Limitation #1

### TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Stevens FB4535	76 ½" x 100" (0.045" thick)	TAS 114	Membrane laminated with a 3.5 oz/yd <sup>2</sup> spun bonded polypropylene fleece.
Stevens FB4560	76 ½" x 100" (0.045" thick)	TAS 114	Membrane laminated with a 6oz/yd <sup>2</sup> spun bonded polypropylene fleece.
Stevens FB6035	76 ½" x 100" (0.060" thick)	TAS 114	Membrane laminated with a 3.5 oz/yd <sup>2</sup> spun bonded polypropylene fleece.
Stevens FB6060	76 ½" x 100" (0.060" thick)	TAS 114	Membrane laminated with a 6 oz/yd <sup>2</sup> spun bonded polypropylene fleece.
Stevens FB636WB	5 gallons	TAS 114	Water based adhesive for fleece back membranes applied to substrate at 100ft <sup>2</sup> /gal.
Stevens EP	various	ASTM D6878	Polyester reinforced, ethylene-propylene roofing membrane
Stevens EP-XL	various	ASTM D6878	Polyester reinforced, ethylene-propylene roofing membrane
Unsupported EP	36" x 50'	ASTM D6878	Flashing for surfaces whose geometry prohibits the use of reinforced membrane.
Stevens EP Walkway Roll	36" x 50'	N/A	Walkway pad
FR10	48" x 250'	ASTM E108	Fiberglass Fire Barrier
FR50	48" x 108'	ASTM E108	Fiberglass Fire Barrier
Stevens Inside Corners, Outside Corners, Pipe Boots & Vent Gloves	various	N/A	Prefabricated flashing
Stevens VRS Vent	various	N/A	Spun aluminum, one-way pressure relief valve
Stevens EP Seam Cleaner	1 gallon	N/A	Membrane cleaner



<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Insta-Stik Insulation Adhesive	1 or 2-1/2 gallon	N/A	Insulation Adhesive
Stevens EP Bonding Adhesive	5 gallon	N/A	Membrane adhesive applied to both substrate and roof cover at 60ft <sup>2</sup> /gal.
Stevens All-Purpose Sealant	10 oz. tube	N/A	Sealant
Stevens EP Cut Edge Sealant	32 oz.	N/A	Sealant for exposed scrim of Stevens EP membrane
Stevens EP Clad Metal	4'x10'	N/A	Unsupported membrane laminated to galvanized steel. For applicator forming of flashing details

**APPROVED INSULATIONS:**

**TABLE 2**

<b>Product Name</b>	<b>Product Description</b>	<b>Manufacturer (With Current NOA)</b>
Stevens ISO 2000, ISO 3000, Recover Board	Polyisocyanurate insulation	Stevens Roofing Systems
DP Foam II, DP Foam III	Polyisocyanurate foam insulation	Dyplast Products
ACFoam II, ACFoam III, ACFoam Supreme	Polyisocyanurate foam insulation	Atlas Energy Products
ACFoam Composite	Polyisocyanurate foam insulation with perlite facer	Atlas Energy Products
EPS	Expanded polystyrene insulation	Generic
XPS	Extruded polystyrene insulation	Generic
Type "X", Gypsum board	Gypsum board	Generic
Dens Deck Dens Deck Prime	Water-resistant gypsum board	Georgia Pacific
Sturdi-Top	Wood Fiber Insulation Board	Georgia Pacific
STYROFOAM	Extruded polystyrene insulation	Dow Chemical Company
ISO 95+GL, ISO 95+GW	Polyisocyanurate insulation	Firestone Building Products
ENRGY 3, ENRGY 3 Plus, PSI-25	Polyisocyanurate insulation	Johns Manville
Fesco-Foam	Polyisocyanurate/perlite insulation	Johns Manville
High Density Wood Fiberboard	High Density Wood Fiber insulation board	Generic
Perlite Insulation Board	Perlite Insulation	Generic



**APPROVED INSULATIONS:**

**TABLE 2**

<b>Product Name</b>	<b>Product Description</b>	<b>Manufacturer (With Current NOA)</b>
Structodek	High density fiberboard	Knight-Celotex
Multi-Max, Multi-Max FA	Polyisocyanurate insulation	R-Max Inc.
Fiberbase HD	High density fiberboard	Temple-Inland

**APPROVED FASTENERS:**

**TABLE 3**

<b>Fastener Number</b>	<b>Product Name</b>	<b>Product Description</b>	<b>Dimensions</b>	<b>Manufacturer (With Current NOA)</b>
1.	Stevens PIF Fasteners	Insulation fastening assembly	various	Stevens Roofing Systems
2.	Stevens Preassembled XHD or XHD(M)	Membrane fastening assembly	various	Stevens Roofing Systems
3.	Stevens #12 & #14 All-Purpose Fastener	Fasteners for insulation and membrane attachment	various	Stevens Roofing Systems
4.	Stevens #15 XHD Fastener	Fasteners for insulation and membrane attachment	various	Stevens Roofing Systems
5.	Stevens Stainless Steel Fasteners #12 & #14	#12 and #14 fasteners for insulation and membrane attachment	various	Stevens Roofing Systems
6.	Stevens ASAP Fasteners	Membrane fastening assembly	various	Stevens Roofing Systems
7.	Stevens Metal or Plastic Barbed Seam Plates	Metal or Plastic insulation plate	2" or 2-3/8" dia.	Stevens Roofing Systems
8.	Stevens Metal or Plastic Insulation Plates	Metal or Plastic seam plate	2-7/8" or 3" dia.	Stevens Roofing Systems



**EVIDENCE SUBMITTED:**

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
Factory Mutual Research Corporation	J.I. 1Z8A7.AM	Standard 4470	06/10/96
	J.I. 3Z8A9.AM	Standard 4470	02/19/96
	J.I. 0D2A9.AM	Standard 4470	09/06/97
	3003970	Standard 4470	05/12/2000
	3008050	Standard 4470	12/15/00
	3015471	Standard 4470	12/3/02
	3013654	Standard 4470	1/28/03
Underwriters Laboratories, Inc.	File R10321	Fire Classification	Published Annually
Exterior Research & Design	01820.04.03	TAS 114	04/11/03



**APPROVED ASSEMBLIES:**

- Membrane Type:** Single Ply, Thermoplastic, TPO
- Deck Type II:** Wood, Insulated
- Deck Description:** 19/32" or greater plywood or wood plank
- System Type B:** Base layer of insulation mechanically attached, optional top layer adhered; membrane fully adhered

**All General and System Limitations apply.**

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft <sup>2</sup>
ACFoam II, ACFoam III, ACFoam Supreme, Stevens ISO 2000, ISO 3000, ENRGY 3, ENRGY 3 Plus, PSI-25, Multi-Max FA		
Minimum 1.4" thick	1, 3 or 5	1:2 ft <sup>2</sup>
Minimum 2" thick	1, 3 or 5	1:4 ft <sup>2</sup>
ACFoam II, ACFoam III, Stevens ISO 2000, ISO 3000		
Minimum 1.5" thick	1, 3 or 5	1:2.7 ft <sup>2</sup>
High Density Roof Fiberboard		
Minimum ¾" thick	1, 3 or 5	1:2 ft <sup>2</sup>
Dens Deck, Dens Deck Prime		
Minimum ¼" thick	3 or 5	1:2 ft <sup>2</sup>

**Note:** Base layer shall be mechanically attached with fasteners and density described above. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density (See Roofing Application Standard RAS 117 for fastening details).

Top Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft <sup>2</sup>
ACFoam II, ACFoam III, ACFoam Supreme, Stevens ISO 2000, ISO 3000, ENRGY 3, ENRGY 3 Plus, PSI-25, Multi-Max FA		
Minimum 1" thick	N/A	N/A
Dens Deck, Dens Deck Prime		
Minimum ¼" thick	N/A	N/A

**Note:** Apply optional top layer of insulation in a full mopping of approved hot asphalt within the EVT range and at a rate of 20-40 lbs./100 ft<sup>2</sup> or in ¾" to 1" wide beads of Insta-Stik Adhesive at 12" o.c. Refer to Roofing Application Standard RAS 117 and insulation adhesive manufacturer's Roofing Component Product Control Approval for insulation attachment requirements. Insulations listed as base layer shall be used only as base layers with an optional top layer insulation installed as the final membrane substrate.

- Vapor Retarder:** (Optional) Any UL or FMRC approved vapor retarder applied to the roof deck or over a base layer of insulation.
- Barrier:** (Optional) Slip sheet 15 mil minimum, Fireguard Type "X", Dens-Deck, Dens-Deck Prime (minimum thickness ¼"), or Gypsum board (minimum thickness ½"), Overlayment board; secured with insulation and membrane assembly. Barrier may be installed on the deck or between insulation layers. See Approved Roofing Materials Directory for specific placement of fire barrier.
- Membrane:** Stevens EP, Stevens EP-XL with a minimum 2" side laps adhered to the insulation with Stevens EP Bonding Adhesive. Stevens FB4535, FB4560 or FB6035, FB6060 with minimum 1.5" side and end laps adhered to insulation with Stevens FB636WB bonding adhesive.

**Maximum Design Pressure:** -45 psf (See General Limitation #9)



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**Membrane Type:** Single Ply, Thermoplastic, TPO  
**Deck Type II:** Wood, Insulated  
**Deck Description:** <sup>19</sup>/<sub>32</sub>" or greater plywood or wood plank  
**System Type C:** All layers of insulation simultaneously attached; membrane fully adhered.

**All General and System Limitations apply.**

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft <sup>2</sup>
ACFoam II, ACFoam III, ACFoam Supreme, Stevens ISO 2000, ISO 3000, ENRGY 3, ENRGY 3 Plus, PSI-25, Multi-Max FA Minimum 1.4" thick	N/A	N/A
Expanded Polystyrene Minimum 1" thick	N/A	N/A
Extruded Polystyrene Minimum <sup>3</sup> / <sub>8</sub> " thick	N/A	N/A

**Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density.**

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft <sup>2</sup>
High Density Wood Fiberboard, Traffic Top Fiberboard, FM-90 High Density Fiberboard, FM-90 Traffic Top Fiberboard, High Density Roof Fiberboard or Structodeck Minimum <sup>1</sup> / <sub>2</sub> " thick	1, 3 or 5	1:2 ft <sup>2</sup>
Fiber Base HD1 or Fiber Base HD6 Minimum <sup>1</sup> / <sub>2</sub> " thick	1, 3 or 5	1:2.9 ft <sup>2</sup>
APA Rated Plywood Minimum 7/16" thick	3 or 5	1:4 ft <sup>2</sup>
Dens Deck, Dens Deck Prime Minimum <sup>1</sup> / <sub>4</sub> " thick	3 or 5	1:1.8 ft <sup>2</sup>

**Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.**

**Vapor Retarder:** (Optional) Any UL or FMRC approved vapor retarder applied to the roof deck or over a base layer of insulation.

**Barrier:** (Optional) Slip sheet 15 mil minimum, Fireguard Type "X", Dens-Deck, Dens Deck Prime (minimum thickness <sup>1</sup>/<sub>4</sub>" ), or Gypsum board (minimum thickness <sup>1</sup>/<sub>2</sub>" ), Overlayment board; secured with insulation and membrane assembly. Barrier may be installed on the deck or between insulation layers. See Approved Roofing Materials Directory for specific placement of fire barrier.

**Membrane:** Stevens EP, Stevens EP-XL with minimum 2" side laps adhered to the insulation with Stevens EP Bonding Adhesive. Stevens FB4535, FB4560 or FB6035, FB6060 with minimum 1.5" side and end laps adhered to insulation with Stevens FB636WB bonding adhesive.

**Maximum Design Pressure:** -45 psf (See General Limitation #9)



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- Membrane Type:** Single Ply, Thermoplastic, TPO  
**Deck Type 1I:** Wood, Insulated  
**Deck Description:** 1<sup>9</sup>/<sub>32</sub>" or greater plywood or wood plank  
**System Type D(1):** Membrane mechanically attached over preliminary fastened insulation.

**All General and System Limitations apply.**

<b>Base Insulation Layer (Optional)</b>	<b>Insulation Fasteners (Table 3)</b>	<b>Fastener Density/ft<sup>2</sup></b>
<b>ConPerl, GAFTEMP Permalite, Fesco Board Minimum 3/4" thick</b>	N/A	N/A
<b>Top Insulation Layer</b>	<b>Insulation Fasteners (Table 3)</b>	<b>Fastener Density/ft<sup>2</sup></b>
<b>Expanded Polystyrene Minimum 1" thick</b>	N/A	N/A
<b>Extruded Polystyrene Minimum 3/8" thick</b>	N/A	N/A
<b>Multi-Max, Multi-Max FA, ISO 95+, ENRGY 3, PSI-25, AC Foam II, AC Foam III, Stevens ISO 2000, ISO 3000, DP Foam II, DP Foam III Minimum 1" thick</b>	N/A	N/A
<b>High Density Wood Fiberboard, Traffic Top Fiberboard, FM-90 High Density Fiberboard, FM-90 Traffic Top Fiberboard, High Density Roof Fiberboard, Structodeck, Fiber Base HD1 or Fiber Base HD6 Minimum 1/2" thick</b>	N/A	N/A

**Note:** Top layer shall have preliminary attachment, prior to the installation of the base/anchor sheet, at a minimum application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft. All layers of insulation and base sheet shall be simultaneously fastened. See base/anchor sheet below for fasteners and density. Composite insulation panels shall be placed with the polyisocyanurate side down.

- Vapor Retarder:** (Optional) Any UL or FMRC approved vapor retarder applied to the roof deck or over a base layer of insulation.
- Barrier:** (Optional) Slip sheet 15 mil minimum, Fireguard Type "X", Dens-Deck, Dens-Deck Prime (minimum thickness 1/4") or Gypsum board, (minimum thickness 1/2"), Overlayment board, with all joints staggered a minimum of 6 inches from the plywood joints; secured with insulation and membrane assembly. Barrier may be installed on the deck, between insulation layers, or on top of the insulation. See Approved Roofing Materials Directory for specific placement of fire barrier.
- Membrane:** Stevens EP, Stevens EP-XL mechanically fastened through the insulation as specified below:
- Fastening #1:** Install 76 1/2" or 64 1/2" wide sheets with a 4 1/2" overlap fastened 6" o.c. using Approved Stevens Seam Screws and Plates.
- Fastening #2:** Install 52 1/2" wide sheets with a 4 1/2" overlap fastened 18" o.c. using Approved Stevens Seam Screws and Plates.
- Fastening #3:** Install maximum 76 1/2" wide sheets with a 5 1/2" overlap fastened 12" o.c. using Stevens #14 All Purpose Fasteners and Stevens 2-3/8" Barbed Metal Seam Plates or Stevens 2-3/8" DeckGrip Metal Seam Plate
- Fastening #4:** Install alternating 76 1/2" and 52 1/2" sheets with a 4 1/2" overlap fastened 6" o.c. in every other roof cover side lap using Stevens ASAP assemblies or Stevens #14 All-Purpose Fastener and 2" Barbed Metal Seam Plate
- Maximum Design Pressure:** -45 psf for all Fastening Options (See General Limitation #7.)



**Membrane Type:** Single Ply, Thermoplastic, TPO  
**Deck Type II:** Wood, Insulated  
**Deck Description:** 1<sup>9</sup>/<sub>32</sub>" or greater plywood or wood plank, fastened with wood screws at 6" o.c.  
**System Type D(2):** Membrane mechanically attached over preliminary fastened insulation.

**All General and System Limitations apply.**

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft <sup>2</sup>
Multi-Max, Multi-Max FA, ISO 95+, ENRGY 3, PSI-25, ACFoam II, ACFoam III, Stevens ISO 2000, ISO 3000, DP Foam II, DP Foam III, EPS Minimum 1.5" thick	N/A	N/A

**Note: Insulation layer shall have preliminary attachment, prior to the installation of the base/anchor sheet, at a minimum application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft. All layers of insulation and base sheet shall be simultaneously fastened. See base/anchor sheet below for fasteners and density. Composite insulation panels shall be placed with the polyisocyanurate side down.**

**Vapor Retarder:** (Optional) Any UL or FMRC approved vapor retarder applied to the roof deck or over a base layer of insulation.

**Barrier:** (Optional) Slip sheet 15 mil minimum, Fireguard Type "X", Dens-Deck, or Gypsum board, minimum thickness 1/2", Overlayment board, with all joints staggered a minimum of 6 inches from the plywood joints; secured with insulation and membrane assembly. Barrier may be installed on the deck, between insulation layers, or on top of the insulation. See Approved Roofing Materials Directory for specific placement of fire barrier.

**Membrane:** Stevens EP, Stevens EP-XL mechanically fastened through the insulation as specified below:

**Fastening #1:** Install 52 1/2" wide sheets with a 5 1/2" overlap fastened 5" o.c. using Stevens XHD Screws and 2-3/8" Barbed Metal Seam Plates or Stevens Deckgrip Fastener and Stevens 2-3/8" Deckgrip Seam Plate

*(Maximum Design Pressure: -45 psf (See General Limitation #7))*

**Fastening #2:** Install 76 1/2" wide sheets with a 5 1/2" overlap fastened 4 o.c. using Stevens XHD Screws and 2-3/8" Barbed Metal Seam Plates or Stevens Deckgrip Fastener and Stevens 2-3/8" Deckgrip Seam Plate

*(Maximum Design Pressure: -60 psf (See General Limitation #7))*

**Maximum Design Pressure:** See Fastening Options Above.



- Membrane Type:** Single Ply, Thermoplastic, TPO
- Deck Type 1:** Wood, Non-Insulated
- Deck Description:** <sup>19</sup>/<sub>32</sub>" or greater plywood or wood plank
- System Type E(1):** Membrane mechanically attached to deck.

**All General and System Limitations apply.**

- Barrier:** (Optional) 50 mil minimum Slip sheet, Inverted G3 cap sheet lapped and mechanically fastened 24 inches on center with a minimum 1 inch galvanized ring or spiral shank cap nail. Barrier may be installed on the deck, between insulation layers, or on top of the insulation. See Approved Roofing Materials Directory for specific placement of fire barrier.
- Membrane:** Stevens EP, Stevens EP-XL mechanically fastened to deck as specified below:
- Fastening #1:** Install 76½" or 64½" wide sheets with a 4½" overlap fastened 6" o.c. using Approved Stevens Seam Screws and Plates.
- Fastening #2:** Install 52½" wide sheets with a 4½" overlap fastened 18" o.c. using Approved Stevens Seam Screws and Plates.
- Fastening #3:** Install maximum 76½" wide sheets with a 5½" overlap fastened 12" o.c. using Stevens #14 All-Purpose Fasteners and Stevens 2-3/8" Barbed Metal Seam Plates.
- Fastening #4:** Install alternating 76½" and 52½" sheets with a 4½" overlap fastened 6" o.c. in every other roof cover side lap using Stevens ASAP assemblies or Stevens #14 All-Purpose Fastener and 2" Barbed Metal Seam Plate.
- Maximum Design Pressure:** -45 psf for all Fastening Options (See General Limitation #7.)



- Membrane Type:** Single Ply, Thermoplastic, TPO
- Deck Type 1:** Wood, Non-Insulated
- Deck Description:** <sup>19</sup>/<sub>32</sub>" or greater plywood or wood plank, fastened with wood screws at 6" o.c.
- System Type E(2):** Membrane mechanically attached to deck..

**All General and System Limitations apply.**

- Barrier:** (Optional) 50 mil minimum Slip sheet, Inverted G3 cap sheet lapped and mechanically fastened 24 inches on center with a minimum 1 inch galvanized ring or spiral shank cap nail. Barrier may be installed on the deck, between insulation layers, or on top of the insulation. See Approved Roofing Materials Directory for specific placement of fire barrier.
- Membrane:** Stevens EP, Stevens EP-XL mechanically fastened to deck as specified below:
- Fastening #1:** Install 52½" wide sheets with a 5½" overlap fastened 5" o.c. using Stevens XHD Screws and 2-3/8" Barbed Metal Seam Plates or Stevens Deckgrip Fastener and Stevens 2-3/8" Deckgrip Seam Plate
- (Maximum Design Pressure: -45 psf (See General Limitation #7))*
- Fastening #2:** Install 76½" wide sheets with a 5½" overlap fastened 4 o.c. using Stevens XHD Screws and 2-3/8" Barbed Metal Seam Plates or Stevens Deckgrip Fastener and Stevens 2-3/8" Deckgrip Seam Plate
- (Maximum Design Pressure: -60 psf (See General Limitation #7))*
- Maximum Design Pressure:** See Fastening Options Above.



## WOOD DECK SYSTEM LIMITATIONS:

- 1 A slip sheet is required with Ply 4 and Ply 6 when used as a mechanically fastened base or anchor sheet.

## GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance, refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. Insulation may be installed in multiple layers. The first layer shall be attached in compliance with Product Control Approval guidelines. All other layers shall be adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq., or mechanically attached using the fastening pattern of the top layer
3. All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt, panel size shall be 4' x 4' maximum.
4. An overlay and/or recovery board insulation panel is required on all applications over closed cell foam insulations when the base sheet is fully mopped. If no recovery board is used the base sheet shall be applied using spot mopping with approved asphalt, 12" diameter circles, 24" o.c.; or strip mopped 8" ribbons in three rows, one at each sidelap and one down the center of the sheet allowing a continuous area of ventilation. Encircling of the strips is not acceptable. A 6" break shall be placed every 12' in each ribbon to allow cross ventilation. Asphalt application of either system shall be at a minimum rate of 12 lbs./sq. **Note: Spot attached systems shall be limited to a maximum design pressure of -45 psf.**
5. Fastener spacing for insulation attachment is based on a Minimum Characteristic Force (F') value of 275 lbf., as tested in compliance with Testing Application Standard TAS 105. If the fastener value, as field-tested, are below 275 lbf. insulation attachment shall not be acceptable.
6. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida Registered Engineer, Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Application Standard RAS 117.
7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117. Calculations prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant **(When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)**
8. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform with Roofing Application Standard RAS 111 and applicable wind load requirements.
9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners). **(When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)**

**END OF THIS ACCEPTANCE**



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