MIAMI-DADE

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
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NOTICE OF ACCEPTANCE (NOA)

CertainTeed Corporation (PA)
1400 Union Meeting Road
Blue Bell, PA 19422

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 BCCO (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. BCCO reserves the right to revoke this acceptance, if it is determined by BCCO 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 Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Flintlastic SA Roofing Systems 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 new NOA consists of pages 1 through 7.
The submitted documentation was reviewed by Frank Zuloaga, RRC.

PRODUCT CONTROL ACCEPTED

ROOFING ASSEMBLY APPROVAL

Category:	Roofing
Sub-Category:	SBS Modified Bitumen
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

Product	Dimensions	Test Specification	Product Description
Flintlastic SA NailBase	66'6" x 39-3/8"	ASTM D4601, Type II	Fiberglass reinforced, SBS modified bitumen base sheet.
Flintlastic SA Mid Ply	33'11" x 39-3/8"	ASTM D6164	Polyester and Fiberglass scrim reinforced, SBS modified ply sheet
Flintlastic SA Cap	33'11" x 39-3/8"	ASTM D6164	Polyester and Fiberglass scrim reinforced, SBS cap sheet
FlintPrime SA	1, 3 or 5 gal pail	Proprietary	Water based, polymer modified primer

APPROVED INSULATIONS:

TABLE 2

Product	Product Description	Manufacturer (with current NOA)
FlintBoard	Polyisocyanurate insulation	CertainTeed Corp.
ACFoam II	Polyisocyanurate insulation	Atlas Roofing Corp.
ENRGY 3	Polyisocyanurate insulation	Johns Manville
Multi-Max FA	Polyisocyanurate insulation	R-Max, Inc.
DensDeck	Gypsum coverboard	Georgia Pacific

APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Manufacturer (with current NOA)
1.	Dekfast 14 with Dekfast Hex Plate	Roofing screw with hexagonal steel plate	SFS Intec, Inc.
2.	Tru-Fast HD with MP-3 Plate	Roofing screw with 3" round steel plate	Tru-Fast Corporation
3.	Roofgrip #14 with Flat Bottom Plate	Roofing screw with 3" square steel plate	ITW Buildex
4.	Olympic HD with Standard Plate	Roofing screw with 3" round steel plate	Olympic Manufacturing
5.	FlintFast Fastener with MP-3 Plate	Roofing screw with 3" round steel plate	CertainTeed

EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Description	Date
Exterior Research & Design, LLC	3518.12.03	Physical Properties, TAS 114 (FM Standard 4470)	12/01/03
Exterior Research & Design, LLC	3519.12.03	Wind Uplift, TAS 114 (FM Standard 4470)	12/22/03
Momentum Technologies, Inc.	DX08C4A	Physical Properties	03/22/04
Momentum Technologies, Inc.	DX20E3A	Physical Properties	03/22/04
Underwriters Laboratories, Inc.	R11656	Fire Classification	Published Annually

APPROVED ASSEMBLIES:

Deck Type 1I: Wood, Insulated

Deck Description: Min $^{19}/_{32}$" thick plywood or wood plank. Attached in accordance with applicable building code. In re-roofing, where deck is less than $^{19}/_{32}$" thick (minimum $^{15}/_{32}$") the code required attachment method must be in addition to existing attachment.

System Type C: All layers of insulation simultaneously attached.

All General and System Limitations apply.

One or more layers of any of the following insulations.

(Optional) Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
FlintBoard, ACFoam II, ENRGY 3, Multi-Max FA Minimum 1.5" 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^2
DensDeck Minimum ¼" thick	**1, 2, 3, 4,5**	**1:1.3 ft^2**

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.

Primer: Apply FlintPrime SA to DensDeck surface at 0.3 gal/square.

Base Sheet: One or more layer of Flintlastic SA Mid Ply, self-adhered

Ply Sheet: (Optional) One or more layer of Flintlastic SA Mid Ply, self-adhered

Membrane: One or more layer of Flintlastic SA Cap, self-adhered

Surfacing: None

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

Deck Type 1:	Wood, Non-Insulated
Deck Description:	Min $^{19}/_{32}$" thick plywood attached in accordance with the Florida Building code, High Velocity Hurricane Zone.
System Type E(1):	Base sheet mechanically fastened

All General and System Limitations apply.

Separation Sheet:	(Optional) One or more layers of GlasBase, loose laid.
Anchor/Base Sheet:	One or more layers of Flintlastic SA NailBase, mechanically attached as described below.
Fastening:	Anchor/Base sheet shall be fastened with approved 11 gauge 1-¼" annular ring-shank roofing nails and tin caps spaced 8" o.c. at the min. 3" wide sidelap. With three additional (equally spaced) staggered rows in the center of the sheet spaced 8 inches o.c. for a total of four rows.
Ply Sheet:	(Optional) One or more layers of Flintlastic SA Mid Ply, self-adhered
Membrane:	One or more layers of Flintlastic SA Cap, self-adhered
Surfacing:	None
Maximum Design Pressure:	-52.5 psf (See General Limitation #7.)

Deck Type 1:	Wood, Non-Insulated
Deck Description:	Min $^{19}/_{32}$" thick plywood attached using approved nails spaced 4" o.c. at wood joists spaced max. 24" o.c.
System Type E(2):	Base sheet mechanically fastened

All General and System Limitations apply.

Separation Sheet:	(Optional) One or more layers of GlasBase, loose laid.
Anchor/Base Sheet:	One or more layers of Flintlastic SA NailBase, mechanically attached as described below.
Fastening:	Anchor/Base sheet shall be fastened with approved 11 gauge 1-¼" annular ring-shank roofing nails and tin caps spaced 8" o.c. at the min. 3" wide sidelap. With three additional (equally spaced) staggered rows in the center of the sheet spaced 8 inches o.c. for a total of four rows.
Ply Sheet:	(Optional) One or more layers of Flintlastic SA Mid Ply, self-adhered
Membrane:	One or more layers of Flintlastic SA Cap, self-adhered
Surfacing:	None
Maximum Design Pressure:	-60 psf (See General Limitation #7.)

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 Professional Engineer, Registered 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.)**
10. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 9B-72 of the Florida Administrative Code.

END OF THIS ACCEPTANCE