MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908
www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

CertainTeed Corporation (PA)
1400 Union Meeting RD
P.O. Box 1100
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 Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: FlintFast Roofing Fasteners Assemblies

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 5.
The submitted documentation was reviewed by Frank Zuloaga, RRC.

Roofing Component Approval

Category: Roofing
Sub-Category: Fastener
Material: Steel

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT

Product	Dimensions	Test Specifications	Product Description
FlintFast #14	.235" dia. x 12" max. length; #3 phillips head.	TAS 114 TAS 117	Modified DP type, milled slot self-drilling point, 13 single lead threads per inch. Carbon steel fastener for use in concrete, steel and wood decks. With Tru-Kote PC-3 coating.
FlintFast #12	.209" dia. x 12" max. length; #3 phillips truss head.	TAS 114 TAS 117	Modified DP type, milled slot self-drilling point, 15½ double lead threads per inch carbon steel fastener with Tru-Kote PC-3 coating. For use in steel and wood decks.
FlintFast 3"	3.23" diameter x .016" thick.	TAS 114 TAS 117	Galvalume steel, AZ50, stress plate for use with all Truss, Bugle or Flat Head FlintFast Screws.

EVIDENCE SUBMITTED

Test Agency/Identifier	Name	Report	Date
Factory Mutual Research Corporation	Pull Out/Shear Data	J.I. 1G1A6.AM	3/26/82
Factory Mutual Research Corporation	Pull Out/Shear Data	J.I. 1H2A0.AM	5/26/83
Factory Mutual Research Corporation	Pull Out/Shear Data	J.I. 0N0A7.AM	5/9/86
Factory Mutual Research Corporation	Pull Out/Shear Data	J.I. 0J9A1.AM	7/11/85
Factory Mutual Research Corporation	Pull Out/Shear Data	J.I. 0N0A8.AM	10/7/86
Factory Mutual Research Corporation	Corrosion Resistance	J.I. 0P0Q8.AM	3/9/89
Factory Mutual Research Corporation	Pull Out/Shear Data	J.I. 0V7A4.AM	6/10/92
Factory Mutual Research Corporation	Pull Out/Shear Data	J.I. 1W7A7.AM	3/17/93
Factory Mutual Research Corporation	Pull Out/Shear Data	J.I.# 1Q2A2.AM	10/27/89
Exterior Research & Design, LLC.	PA 117 (A), (B) & (C)	#4712.02.98-1	2/15/98

TYPICAL PROPERTIES

Note: **A 2 to 1 margin of saftey has been applied to test results producing the design values noted herein.**

Withdrawal Resistance Performance - PA 117(A) - Static Load			
Fastener	**Deck Type**	**min. Penetration / Embedment**	**Static Withdrawal Resistance (lbf)**
FlintFast #12	Min. 19/32" plywood	½"	182
	Min. 22 ga. grade A steel	½"	142
FlintFast #14	Min. 19/32" plywood	½"	210
	Min. 22 ga. grade A steel	½"	206
	Min. 3,000 psi concrete	1"	372

Withdrawal Resistance Performance - PA 117(A) - Pulsating Load			
Fastener	**Deck Type**	**min. Penetration / Embedment**	**Static Withdrawal Resistance (lbf)**
FlintFAst #12	Min. 19/32" plywood	½"	157
	Min. 22 ga. grade A steel	½"	116
FlintFast #14	Min. 19/32" plywood	½"	181
	Min. 22 ga. grade A steel	½"	181
	Min. 3,000 psi concrete	1"	360

Base Sheet Rupture Performance - PA 117(B), FlintFast 3" (with 2 to 1 margin of safety applied)			
Base Sheet	**Value**	**Base Sheet**	**Value**
Celotex Vaporbar GB	*92*	Johns Manville PermaPly 28	*74*
Firestone MB Base Sheet	*100*	Johns Manville PermaPly R	*145*
Firestone SBS Base Sheet	*124*	Johns Manville Glasbase	*79*
GAFGLAS #75	*70*	Johns Manville Ventsulation	*102*
GAFGLAS Stratavent	*99*	Johns Manville Glas Ply Premier	*113*
GAFGLAS Ply 4	*70*	Siplast Parabase	*102*
GAF Ruberoid Base	*95*	Siplast Parabase Plus	*90*
CertainTeed Glas Base	*77*	SOPREMA Sopra-G	*77*
CertainTeed Flex-I-Glas Base	*119*	SOPREMA Modified Sopra-G	*90*
CertainTeed Poly SMS Base	*178*	SOPREMA Sopravent	*120*
Malarkey #501	*80*	WP Hickman Pika Ply SS-3	*209*
Malarkey #515	*89*	WP Hickman SA-2	*224*
Malarkey #602	*123*		
Malarkey #603	*133*		
Malarkey #605	*179*		

Notes: 1. **The physical properties listed above are presented at typical average values as determined by accepted ASTM test methods and Florida Building Code Testing Protocols and are subject to normal manufacturing variation.**

2. **A 2 to 1 margin of safety has been applied to test results providing the above noted design values.**

APPROVED APPLICATIONS

• **TRADENAME:**	**FlintFast #12**
System Type A:	Single Ply, Adhered or Mechanically Attached
Compatible Plate(s):	Plastic or FlintFast-3 insulation plates and proprietary seam and fastening assembly plates listed in the specific Roof Assembly, Notice of Acceptance.
Generic Insulation Types:	Polyisocyanurate, Fiber Glass, Perlite, Rockwool, High Density Wood Fiber, Polystyrene, Urethane/Perlite Composite.
Application:	Mechanical attachment of roof insulation. See specific Roof Assembly Notice of Acceptance for fastener density and approved attachment patterns.
Deck:	18-22 ga. steel, wood, min. $^{19}/_{32}$" plywood or wood plank
System Type B:	Built-up, Conventional, New or Reroof
Compatible Plate(s):	Plastic or FlintFast -3 insulation plates and proprietary seam and fastening assembly plates listed in the specific Roof Assembly, Notice of Acceptance.
Generic Insulation Types:	Polyisocyanurate, Fiber Glass, Perlite, Rockwool, High Density Wood Fiber, Polystyrene, Urethane/Perlite Composite.
Application:	Mechanical attachment of roof insulation. See specific Roof Assembly Notice of Acceptance for fastener density and approved attachment patterns.
Deck:	18-22 ga. steel, wood, min. $^{19}/_{32}$" plywood or wood plank
System Type C:	Built-up Roofing, Modified Bitumen, New or Reroof
Compatible Plate(s):	Plastic or FlintFast-3 insulation plates and proprietary seam and fastening assembly plates listed in the specific Roof Assembly, Notice of Acceptance.
Generic Insulation Types:	Polyisocyanurate, Fiber Glass, Perlite, Rockwool, High Density Wood Fiber, Polystyrene, Urethane/Perlite Composite.
Application:	Mechanical attachment of roof insulation. See specific Roof Assembly Notice of Acceptance for fastener density and approved attachment patterns.
Deck:	18-22 ga. steel, wood, min. $^{19}/_{32}$" plywood or wood plank

• **TRADENAME:**	**FlintFast #14**
System Type A:	Single Ply, Adhered or Mechanically Attached
Compatible Plate(s):	Plastic or FlintFast-3 insulation plates and proprietary seam and fastening assembly plates listed in the specific Roof Assembly, Notice of Acceptance.
Generic Insulation Types:	Polyisocyanurate, Fiber Glass, Perlite, Rockwool, High Density Wood Fiber, Polystyrene, Urethane/Perlite Composite.
Application:	Mechanical attachment of roof insulation. See specific Roof Assembly Notice of Acceptance for fastener density and approved attachment patterns.
Deck:	18-22 ga. steel, wood, min. $^{19}/_{32}$" plywood or wood plank and min.2500 psi concrete.
System Type B:	Built-up, Conventional, New or Reroof
Compatible Plate(s):	Plastic or FlintFast-3 insulation plates and proprietary seam and fastening assembly plates listed in the specific Roof Assembly, Notice of Acceptance.
Generic Insulation Types:	Polyisocyanurate, Fiber Glass, Perlite, Rockwool, High Density Wood Fiber, Polystyrene, Urethane/Perlite Composite.
Application:	Mechanical attachment of roof insulation. See specific Roof Assembly Notice of Acceptance for fastener density and approved attachment patterns.
Deck:	18-22 ga. steel, wood, min. $^{19}/_{32}$" plywood or wood plank and min 2500 psi concrete.
System Type C:	Built-up Roofing, Modified Bitumen, New or Reroof

Compatible Plate(s):	Plastic or FlintFast-3 insulation plates and proprietary seam and fastening assembly plates listed in the specific Roof Assembly, Notice of Acceptance
Generic Insulation Types:	Polyisocyanurate, Fiber Glass, Perlite, Rockwool, High Density Wood Fiber, Polystyrene, Urethane/Perlite Composite.
Application:	Mechanical attachment of roof insulation. See specific Roof Assembly Notice of Acceptance for fastener density and approved attachment patterns.
Deck:	18-22 ga. steel, wood, min. $^{19}/_{32}$" plywood or wood plank and min 2500 psi concrete.

GENERAL LIMITATIONS

1. Refer to Assembly Notices of Acceptance for use, density and attachment patterns.
4. Fasteners shall be installed in accordance with manufacturer's published installation instructions.
5. Care shall be taken not to puncture or tear the base sheet or insulation facer during fastener installation. Application recommendations are noted in Roofing Application Standard PA 117.
6. CertainTeedCorporation, fasteners are a component part of Miami-Dade Approved Roof Assembly. These products are approved for use only with those roof assemblies approved for use with the components listed herein.
7. Any modifications to this Notice of Acceptance shall void such approval.

END OF THIS ACCEPTANCE