



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)

ITW Buildex
 1349 W Bryn Mawr Ave
 Itasca, IL 60143

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 of the Florida Building Code.

DESCRIPTION: ITW Buildex Roofing Fasteners

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 consists of pages 1 through 8.

The submitted documentation was reviewed by Jorge L. Acebo.



NOA No.: 06-0711.06
 Expiration Date: 04/17/08
 Approval Date: 10/19/06
 Page 1 of 8

ROOFING ASSEMBLY APPROVAL:

Category: Roofing Fasteners
Sub Categories: Base Sheet, Insulation, Shingles

SCOPE:

This approves ITW Buildex roofing fastener systems as described in this Notice of Acceptance, designed to comply with the Florida Building Code including the High Velocity Hurricane Zone.

PRODUCT DESCRIPTION:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
Lite Weight Concrete Fastener 1.2" Assembled	2.7" head x 1.2" long	TAS 114 TAS 117	Formed from 0.013 in. thick G-90 hot dipped galvanized steel. The integral rib reinforced cap is coated on both sides with a black urethane coating. A 2.7 in. diameter disc formed from 0.013 AZ-55 Galvalume steel is factory assembled to each fastener. For use in cellular and aggregate lightweight concrete decks and various poured gypsum decks.
and LWC Fastener			
Lite Weight Concrete Fastener 1.7" Assembled	2.7" head x 1.7" long	TAS 114 TAS 117	Formed from 0.013 in. thick G-90 hot dipped galvanized steel. The integral rib reinforced cap is coated on both sides with a black urethane coating. A 2.7 in. diameter disc formed from 0.013 AZ-55 Galvalume steel is factory assembled to each fastener. For use in cellular and aggregate lightweight concrete decks and various poured gypsum decks.
and LWC Fastener			
Nail Base Sheet Fastener	2.7" head x 1.4" long, 2.7" head x 1.8" long, 2.7" head x 2.8" long, 2.7" head x 3.8" long, 2.7" head x 4.8" long	TAS 114 TAS 117	Tube formed from .030" thick G-90 hot dipped galvanized steel. A 2.7" diameter disk formed from .018" AZ-55 Galvalume steel is factory assembled to each fastener. Locking staple formed from .080" coated steel is factory assembled into tube. For base sheet and insulation attachment to new or existing cementitious wood fiber, poured gypsum and lightweight concrete decks.
and UltraLok			



EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
Factory Mutual Research Corporation	Wind Uplift	J.I. 0R0Q1.AM	03/22/91
Factory Mutual Research Corporation	Wind Uplift	J.I. 1V1A9.AM	07/12/91
Factory Mutual Research Corporation	Standard 4470	J.I. 0V8A3.AM	11/13/91
Factory Mutual Research Corporation	Standard 4470	J.I. 1V9A8.AM	02/25/92
Factory Mutual Research Corporation	Wind Uplift	J.I. 0W2A0.AM	03/19/92
Factory Mutual Research Corporation	Wind Uplift	J.I. 1W5A2.AM	10/05/92
Factory Mutual Research Corporation	Wind Uplift	J.I. 0W4A1.AM	01/04/93
Factory Mutual Research Corporation	Corrosion Resistance Testing of Loc-Nails	J.I. 0W4A1.AM	01/07/93
Factory Mutual Research Corporation	Standard 4470	J.I. 3W3A5.AM	01/27/94
Trinity Engineering, Inc.	Dynamic Pull Through TAS 117(B)	#4670.10.95-1	10/01/95
Exterior Research & Design, LLC.	TAS 117(A), (B) & (C)	#4670.07.97-1	07/20/97



TYPICAL PROPERTIES:

Note: A margin of safety of 2 has been applied to the listed test results.

Withdrawal Resistance Performance - TAS 117(A) - Static Load			
Fastener	Deck Type	Static Withdrawal Resistance (lbf)	
Lite Weight Concrete Fastener 1.2" Assembled & LWC Fastener	Poured gypsum	30.0	
Lite Weight Concrete Fastener 1.7" Assembled & LWC Fastener	Min. 200 psi cellular Lightweight concrete	3 day cure 32.1	28 day cure 53.5
Lite Weight Concrete Fastener 1.7" Assembled & LWC Fastener	Min. 200 psi aggregate lightweight concrete	3 day cure 39.9	28 day cure 77.3
Nail Base Sheet Fastener & UltraLok	Poured gypsum	262.7	
Nail Base Sheet Fastener & UltraLok	Cementitious wood fiber	176.2	

Withdrawal Resistance Performance - TAS 117(A) - Pulsating Load		
Fastener	Deck Type	Static Withdrawal Resistance (lbf)
Lite Weight Concrete Fastener 1.2" Assembled & LWC Fastener	Poured gypsum	25.8
Lite Weight Concrete Fastener 1.7" Assembled & LWC Fastener	Min. 200 psi cellular lightweight concrete	28 day cure - 42.9
Lite Weight Concrete Fastener 1.7" Assembled & LWC Fastener	Min. 200 psi aggregate lightweight concrete	28 day cure - 66.3
Nail Base Sheet Fastener & UltraLok	Poured gypsum	196.0
Nail Base Sheet Fastener & UltraLok	Cementitious wood fiber	105.0



Base Sheet Rupture Performance, TAS 117(B): 2.7" Lite Weight Concrete Fastener 1.2" Assembled, LWC Fastener, Lite Weight Concrete Fastener 1.7" Assembled & LWC Fastener					
Manuf.	Base Sheet	Rupture Value (lbf)	Manuf.	Base Sheet	Rupture Value (lbf)
Honeywell	Glass Fiber Base Sheet	84	Johns Manville	Glasbase	103
	Vented Base Sheet	85		Dynabase	104
Celotex	Channel Vent GB	95		Ventsulation	109
	Vaporbar GB	92	Siplast	Parabase	101
	Hydrostop	102		Parabase Plus	100
Firestone	MB Base	88	Soprema	Sopra-G	103
GAF	GAFGLAS #75	103		Elastophene 180	107
	Stratavent	89		Sopralene 180	115
CertainTeed	Flex-I-Glas Base	106	Tamko	Nail Fast	99
	PolySMS	111		Versa Base	106
Koppers	Glass Fiber Base	108	Tremco	BURmastic Glass Ply	114
	Organic Base	94		BURmastic Composite Ply	114
Malarkey	#501	110	U.S. Intec	Ultra Base	95.0
	#602	107		Flex Base	111
	#603	114		Modified Base	111
	#605	109		Permavent	117
Nord	NBS G-2 Base	102	W.P Hickman	Multi Ply	112
	Nordstar Base	110		Performance Ply	113
				Pika Ply SS-2	116

Base Sheet Rupture Performance, TAS 117(B): 2.7" Head					
Nail Base Sheet Fastener & UltraLok					
Manuf.	Base Sheet	Rupture Value (lbs.)	Manuf.	Base Sheet	Rupture Value (lbs.)
Honeywell	Black Armor base Sheet	219.2	John Mansville	Dynabase	301.9
Bitec	Beta Base	240.0	John Mansville	Vestulation	227.7
CertainTeed	Glasbase	179.0	John Mansville	Perma Ply-28	275.4
Certainteed	Flex-I-Glas Base	240.2	Siplast	Parabase	217.4
CertainTeed	Flex-I-Glas All Weather Empire Base	249.0	Siplast	Parabase Plus	279.4
Firestone	MB Base	256.2	Soprema	Sopra-G	245.0
GAF	GAFGLAS Stratavent	237.9	Soprema	Modified Sopra-G	206.4
GAF	GAFGLAS Stratavent perforated	193.5	Tamko	Glass-Base	233.6
GAF	GAFGLAS #75	234.0	Tamko	Vapor-Chan	315.8
WP Hickman	Multiply glass	266.3	Tamko	Base-N-Ply	206.1
WP Hickman	Multiply glass CL	381.2			



NOA No.: 06-0711.06
 Expiration Date: 04/17/08
 Approval Date: 10/19/06
 Page 5 of 8

APPROVED APPLICATIONS:

Trade name: Lite Weight Concrete Fastener 1.2" Assembled
or
LWC Fastener

Compatible Plate(s): N/A

Application: The Lite Weight Concrete Fastener 1.2" Assembled and the LWC Fastener is an approved and acceptable alternate to the Olympic Assembled CR 1.2" Base Sheet Fastener. The Lite Weight Concrete Fastener 1.2" Assembled and the LWC Fastener may be used in any approved Roof Assembly NOA where the Olympic Assembled CR 1.2" Base Sheet Fastener is referenced. Approved fastening patterns and densities listed in any approved Roof Assembly NOA containing the Olympic Assembled CR 1.2" Base Sheet Fastener shall be acceptable when using either the Lite Weight Concrete Fastener 1.2" Assembled or the LWC Fastener.

Deck: Approved NVS lightweight concrete, various poured gypsums, existing gypsum. See lightweight concrete deck Notice of Acceptance for Approved deck systems

Trade name: Lite Weight Concrete Fastener 1.7" Assembled
or
LWC Fastener

Compatible Plate(s): N/A

Application: The Lite Weight Concrete Fastener 1.7" Assembled and the LWC Fastener is an approved and acceptable alternate to the Olympic Assembled CR 1.7" Base Sheet Fastener. The Lite Weight Concrete Fastener 1.7" Assembled and the LWC Fastener may be used in any approved Roof Assembly NOA where the Olympic Assembled CR 1.7" Base Sheet Fastener is referenced. Approved fastening patterns and densities listed in any approved Roof Assembly NOA containing the Olympic Assembled CR 1.7" Base Sheet Fastener shall be acceptable when using either the Lite Weight Concrete Fastener 1.7" Assembled or the LWC Fastener.

Deck: Approved minimum 200-psi aggregate or cellular lightweight concrete. See lightweight concrete deck Notice of Acceptance for Approved deck systems.

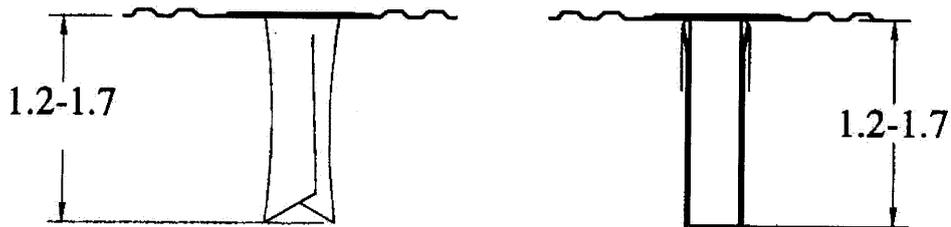
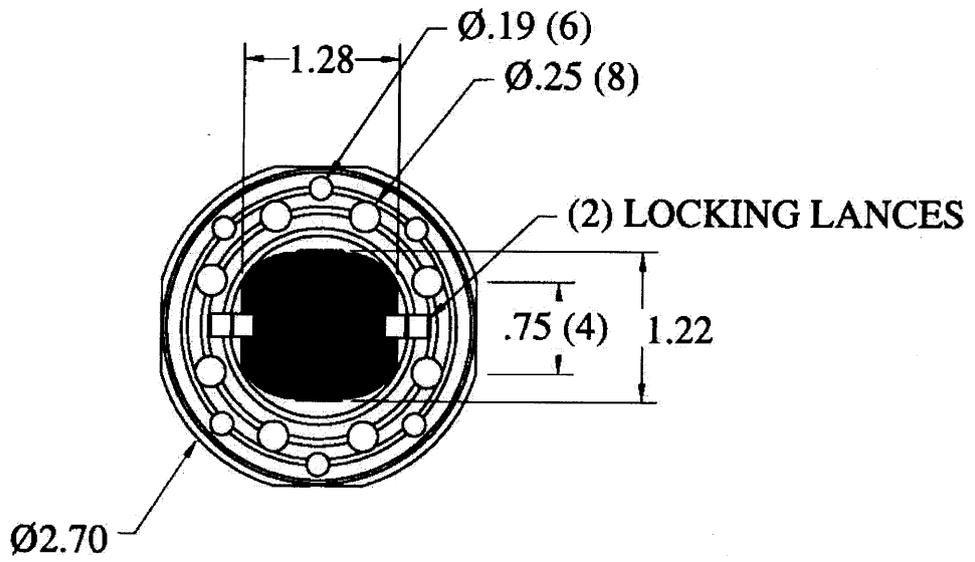
Trade name: Nail Base Sheet Fastener
or
UltraLok

Compatible Plate(s): N/A

Application: See specific Roof Assembly Product Control Notice of Acceptance for fastener density and Approved attachment patterns.

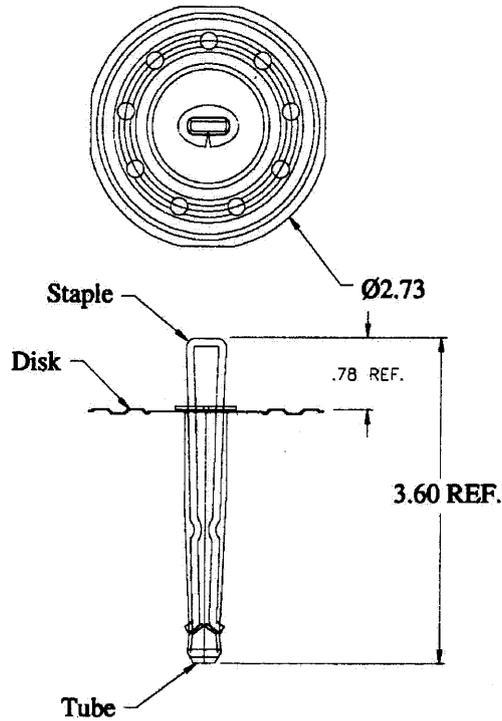
Deck: New or sound existing Cementitious Wood Fiber, Poured Gypsum, Lightweight Concrete.



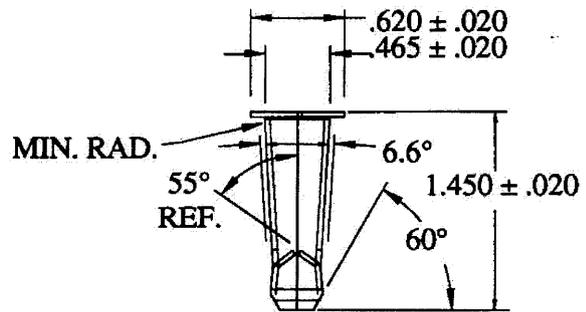
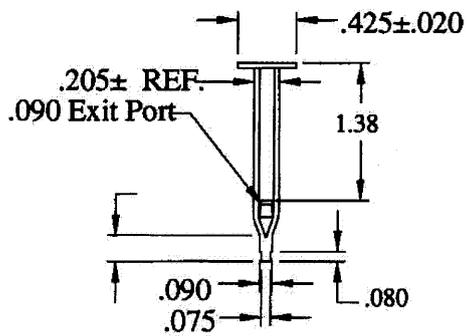
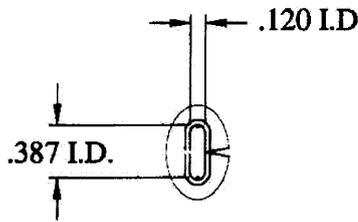


Lite Weight Concrete Fastener Assembled/LWC Fasteners





Nail Base Sheet Fastener/UltraLok Assembly



1.4" Nail Base Sheet Fastener/UltraLok Shank

END OF THIS ACCEPTANCE

