



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

Airfoam Industries Ltd.
19402 56 Ave.
Surrey, BC V3S 6K4 Canada

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance if it is determined by Miami-Dade County Product Control Section 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: Quad-Lock Insulating Concrete Forms

APPROVAL DOCUMENT: Drawing titled "Quad-Lock EPS Panels & Ties", sheets 1 and 2 of 2, dated 06/09/2016, with revision dated 05/10/2021, prepared by Airfoam Industries Ltd., signed and sealed by Hermes F. Norero, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None

LABELING: Each bundle shall bear a permanent label with the manufacturer's name, Villa Rica, GA, and the 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 NOA # 20-0727.02** and consists of this page 1, evidence pages E-1 and E-2 as well as approval document mentioned above.

The submitted documentation was reviewed by **Sifang Zhao, P.E.**



S.Z.
10/14/2021

NOA No 21-0708.14
Expiration Date: November 03, 2026
Approval Date: October 14, 2021
Page 1

Airfoam Industries Ltd.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous NOA's

A. DRAWINGS

1. Drawing No. titled "Quad-Lock EPS Panels & Ties", sheets 1 and 2 of 2, dated 06/09/2016, with revision dated 06/08/2020, prepared by Airfoam Industries Ltd., signed and sealed by Hermes F. Norero, P.E.

B. TESTS

<u>Test Report</u>	<u>Test</u>	<u>Date</u>	<u>Signature</u>
1. SGS 654:030334-1	ASTM D1929-96(2001)	02/26/10	J. Brian McDonald
2. QAI RJ0554-1	ASTM D635-06	03/03/10	Greg Banasky
3. 3154789MID-001	ASTM C518	08/25/08	Rick Curkeet, PE
4. BRYX.R5817	UL-723/ASTM E84	10/22/15	N/A

"Submitted under NOA # 06-0407.06"

<u>Test Report</u>	<u>Test</u>	<u>Date</u>	<u>Signature</u>
1. ETL 3105457SAT-001	ASTM E84	10/13/06	C. Bowness, PE
2. ETL 3080067(b)	ASTM D635	07/28/05	S. J. Emerman, PE
3. ETL 3080067(a)	ASTM D1929	07/28/05	S. J. Emerman, PE
4. ETL 3080072-02	ASTM C578	10/12/05	S. J. Emerman, PE
5. ETL 3080072-01	ASTM C518	09/30/05	S. J. Emerman, PE
6. ETL 3080072-01	ASTM E84	09/30/05	S. J. Emerman, PE
7. ETL 3080072-01	ASTM C1104	09/30/05	S. J. Emerman, PE
8. ETL 3080072-01	ASTM C665	09/30/05	S. J. Emerman, PE
9. ETL 3080072-01	ASTM C1304	09/30/05	S. J. Emerman, PE
10. ETL 3080072-01	ASTM E96	09/30/05	S. J. Emerman, PE
11. ETL 3080072-01	ASTM E970	09/30/05	S. J. Emerman, PE
12. ETL 3080072-01	ASTM C1338	09/30/05	S. J. Emerman, PE

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATION

1. None.

F. STATEMENTS

1. Statement letter of code conformance to the 6th edition (2017) FBC and of no financial interest, issued by Building Drops, Inc., dated 05/08/2020, signed and sealed by Hermes F. Norero, P.E.
2. Name and engineer change request letter, issued by Building Drops, Inc., dated 05/08/2020, signed and sealed by Hermes F. Norero, P.E.



Sifang Zhao, P.E.
Product Control Examiner
NOA No 21-0708.14
Expiration Date: November 03, 2026
Approval Date: October 14, 2021

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. New evidence submitted

A. DRAWINGS

1. Drawing No. titled “Quad-Lock EPS Panels & Ties”, sheets 1 and 2 of 2, dated 06/09/2016, with revision dated 05/10/2021, prepared by Airfoam Industries Ltd., signed and sealed by Hermes F. Norero, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATION

1. None.

F. STATEMENTS

1. Statement letter of code conformance to the 7th edition (2020) FBC and of no financial interest, issued by Building Drops, Inc., dated 05/07/2021, signed and sealed by Hermes F. Norero, P.E.



Sifang Zhao, P.E.
Product Control Examiner
NOA No 21-0708.14
Expiration Date: November 03, 2026
Approval Date: October 14, 2021

PRODUCT DESCRIPTION:

Quad-Lock Insulating Concrete Forms (ICFs) are manufactured from C578-compliant Type II and Type IX Expanded Polystyrene (EPS). The forms are used as stay-in-place form work for structural concrete, load-bearing and non load-bearing, below-grade and above-grade walls. The forms are used in construction of plain and reinforced concrete beams, lintels, exterior and interior walls, foundations walls and retaining walls. The forms remain in place after placement and curing of concrete to provide wall insulation, and must be covered with approved interior and exterior finish materials in accordance with the Florida Building Code. Exterior shall have final finish applied or be temporarily protected from exposure within 30 days of installation of ICF units. The concrete forming system shall comply with ACI 347, and the concrete walls shall comply with ACI 318.

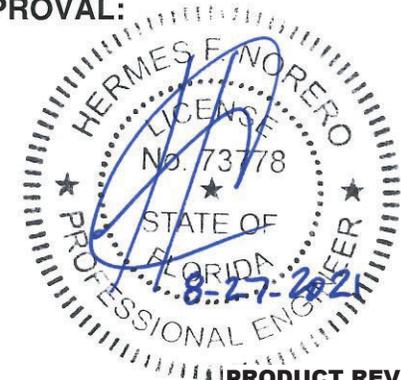
QUAD-LOCK EPS PANEL PROPERTIES

Property	Test Standard	Regular Panel 2.25" Thick EPS		Ultra Panel 3.125" Thick EPS		Plus Panel 4.25" Thick EPS	
		Type IX	Pass	Type II	Pass	Type II	Pass
EPS Type	ASTM C578	Type IX	Pass	Type II	Pass	Type II	Pass
Thermal Resistance (minimum per inch thickness)	ASTM C578/C518	4.2 (h•ft ² •°F/BTU)	Pass	4.0 (h•ft ² •°F/BTU)	Pass	4.0 (h•ft ² •°F/BTU)	Pass
Water Vapor Permeance (maximum at 1 inch thickness)	ASTM C578/E96	2.5 perms	Pass	3.5 perms	Pass	3.5 perms	Pass
Water Absorption (maximum)	ASTM C578/C272	2 % by volume	Pass	3 % by volume	Pass	3 % by volume	Pass
Corrosiveness	ASTM C665 SECT. 13.8	None	Pass	None	Pass	None	Pass
Fungi Resistance	ASTM C1338		Pass		Pass		Pass
Odor Emission	ASTM C1304	None	Pass	None	Pass	None	Pass
Radiant Flux	ASTM E970	≥ 0.12	Pass	≥ 0.12	Pass	≥ 0.12	Pass
Flame Spread Index	ASTM E84	≤ 25		≤ 25		≤ 25	
Smoke Developed Index	ASTM E84	≤ 450		≤ 450		≤ 450	

QUAD-LOCK HDPE CROSS-TIE PROPERTIES

Property	Test Standard	Black Tie	Blue Tie	Yellow Tie	Green Tie	Red Tie	Brown Tie
		FTB4	FTB6	FTY8	FTG10	FTR12	FTB14
Rate of Burn	ASTM C635				CC1 (Pass)		
Ignition Temperature	ASTM D1929/ ASTM E2634(B)				Pass		

APPROVAL:



PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. **21-0708.14**

Expiration Date **11/03/2026**

By
Miami-Dade Product Control

Note:

This approval pertains to the insulation properties of Quad-Lock Insulating Concrete Forms. This approval does not imply the approval of the concrete used with the form system, or the structural and/or forming capacity of the material and the system. The materials described on this sheet have been found to be fully compliant with the 2020 Florida Building Code, 7th edition.

Quad-Lock® is a registered trademark of Airfoam Industries Ltd.

QUAD-LOCK EPS PANELS & TIES

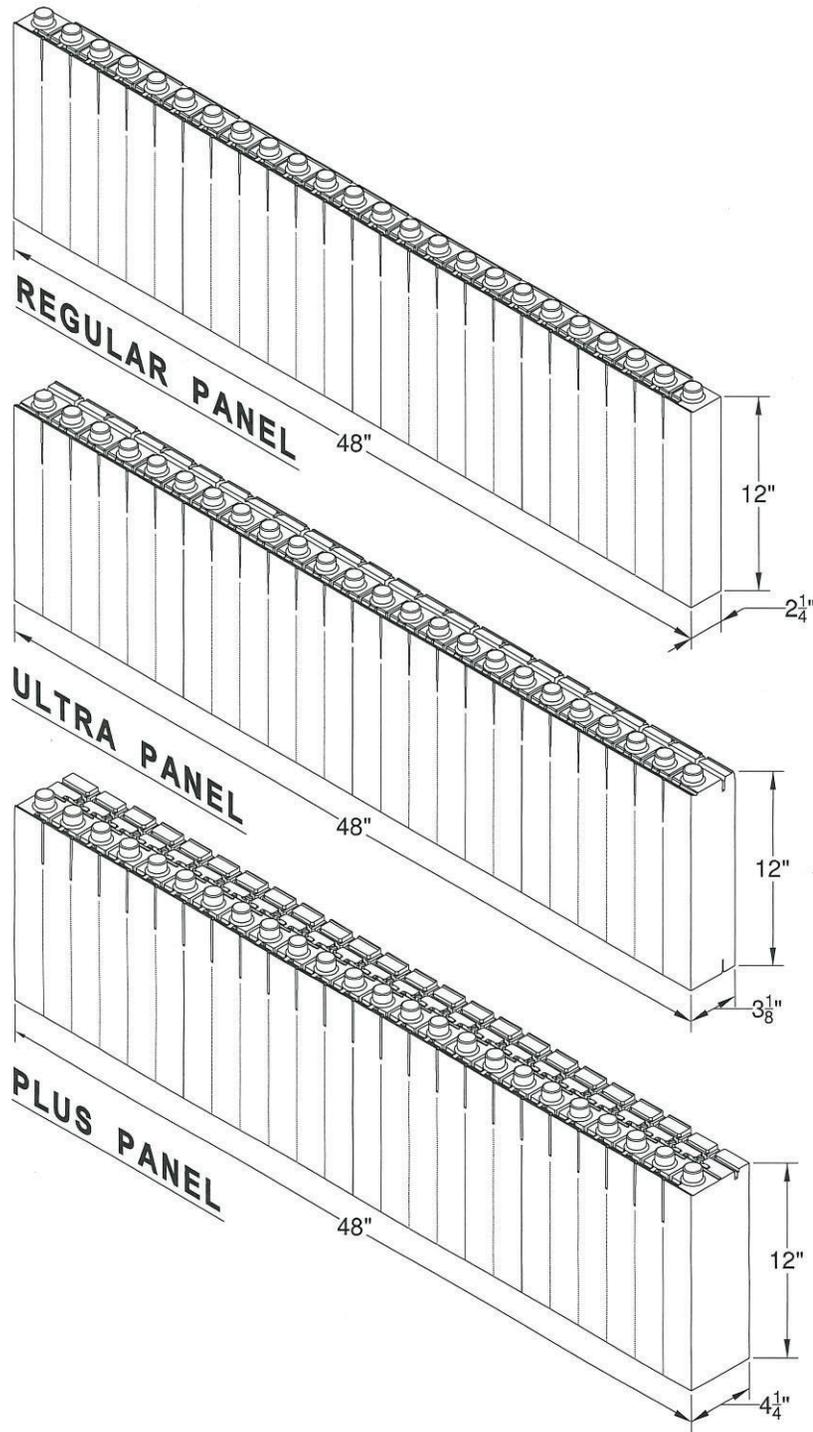
DATE DRAWN (YYYY-MM-DD):	2016-06-09
CURRENT REVISION NO:	REV-5
REVISION DATE (YYYY-MM-DD):	2021-05-10
SCALE:	NOT TO SCALE
DRAWN BY:	Z. PROSTRAN
SHEET SIZE:	8 1/2" x 11"
	Page 1 of 2



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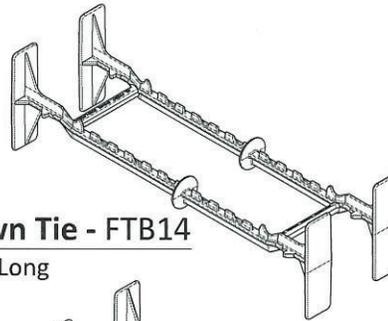
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DUE TO VARIANCES IN LOCAL CODES, CONSTRUCTION PRACTICES, AND REQUIREMENTS ALL DETAILS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SUCH LOCAL CODES, CONSTRUCTION PRACTICES, AND REQUIREMENTS REGARDLESS OF DETAIL CONSTRUCTION SHOWN IN DRAWING. AIRFOAM INDUSTRIES LTD. RESERVES THE RIGHT TO CHANGE INFORMATION SHOWN WITHOUT NOTICE.



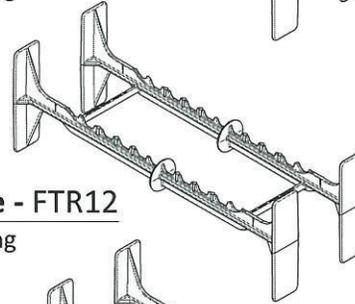
Brown Tie - FTB14

17.5" Long



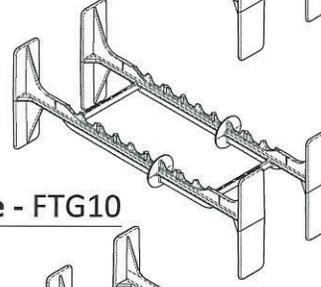
Red Tie - FTR12

15.5" Long



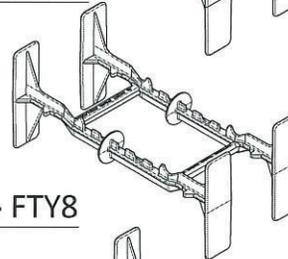
Green Tie - FTG10

13.5" Long



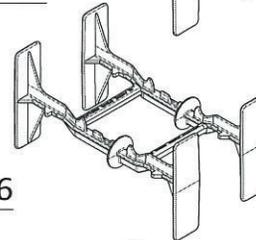
Yellow Tie - FTY8

11.5" Long



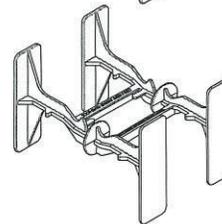
Blue Tie - FTB6

9.5" Long

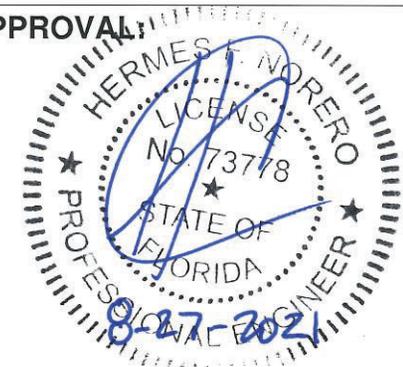


Black Tie - FTB4

7.5" Long



APPROVAL:



PRODUCT REVISED
as complying with the Florida
Building Code

NOA-No. **21-0708.14**

Expiration Date **11/03/2026**

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Note:

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QUAD-LOCK EPS PANELS & TIES

DATE DRAWN (YYYY-MM-DD):	2016-06-09
CURRENT REVISION NO:	REV-5
REVISION DATE (YYYY-MM-DD):	2021-05-10
SCALE:	NOT TO SCALE
DRAWN BY:	Z. PROSTRAN
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	Page 2 of 2

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