



**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)

**Trex Company, Inc
3229 Shawnee Drive
Winchester, VA 22601**

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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Trex wood polymer composite lumber.

APPROVAL DOCUMENT: Drawing No. Trex-Dade, titled "Trex Properties", sheets 1 of 1, prepared by Trex Company, Inc, signed and sealed by E.E. Callahan, P.E., dated 10/23/02 with no revisions, 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 Division.

MISSILE IMPACT RATING: None

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.

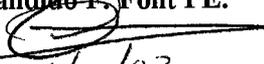
RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

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 revises NOA # 01-1127.14 and consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Candido F. Font PE.**


4/10/03



**NOA No 03-0130.05
Expiration Date: December 19, 2007
Approval Date: April 10, 2003
Page 1**

Trex Company, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED
(For File ONLY. Not part of NOA)

A. DRAWINGS

1. Drawings prepared by Trex Company titled: "Trex Properties" with number Trex.Dade, dated 10/23/02 sheets 1 of 1, signed and sealed by E E. Callahan, PE.

B. CALCULATIONS

	Test Report No.	Test Name	Date	Signature
1.	S.W.R.I. 01-5215-351-13	ASTM E84	04/23/93	A. B. Wencel
2.	S.W.R.I. 01-5215-398	ASTM D635	04/04/93	A. B. Wencel
3.	S.W.R.I. 01-5215-363	ASTM D1929	04/08/93	A.B. Wencel
4.	S.F.T.S. CP4-96-01556	ASTM G26	04/26/97	M. Mosbat, PE
5.	Celotex 258175	ASTM C158	06/27/97	R.G. Miller, PE
6.	PES/TECO	ASTM D198 & D143	10/13/94	L.A. Beineke

C. MATERIAL CERTIFICATIONS
N/A

D. STATEMENTS

1. No change letter issued by Trex Company on 05/31/02 and signed by R. L. Thibodeau, PE.
2. Asset Purchase Agreement between Mobil Oil Corporation and Trex Company LLC, dated 08/08/96 and signed by R.B. Fairley of Mobil Oil and A. J. Cavana of Trex Company.
3. Certification of Merger, prepared by the Secretary of State of Delaware, dated 10/09/02 and signed by Robert Matheny President of Trex Company, Inc.



Candido F. Font PE.
Senior Product Control Examiner
NOA No 03-0130.05
Expiration Date: December 19, 2007
Approval Date: April 10, 2003

Trex

Description:

Trex is a wood-polymer composite lumber in the form of deck boards 1-1/4" x 6" and member 2" x 4", 2" x 6", and 2" x 8" for exterior use as deck on docks, piers, and residential patio surfaces. It is made of 50 percent or more wood fibers and the rest being thermo plastic polymer material. Trex is manufactured by a continuous extrusion process to produce comparable lumber-sized members up to a nominal thickness of 3 inches and a nominal depth of 10 inches.

Physical Properties

Description	Test	Properties
Weight		60 #/Ft ³
Flame Spread Index	ASTM E-84	80
Smoke Development Index	ASTM E-84	285
Rate of Burning	ASTM D-635	0.78 in/min
Self-Ignition Temp.	ASTM D-1929	743F
Flash Ignition Temp.	ASTM D-1929	698F
Modulus of Rupture	Weathering ¹	Before
	ASTM C-158	1993PSI
		After
		1964PSI

1) Weathering per section 3505.2 of the South Florida Building Code.

Design Stresses^{1, 2, 3}

Flexural Stress	250 PSI
Tension	250 PSI
Modulus of Elasticity	1 x 10 ⁵ PSI
Compression Parallel to Grain	550 PSI
Compression Perpendicular to Grain	625 PSI
Shear	200 PSI

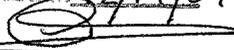
- 1) Trex wood-polymer composite lumber deflection shall be limited to L/360.
- 2) Design stresses are where temperature is under 130F.
- 3) These values shall not be adjusted by any factor permitted for wood construction except for load duration.

PRODUCT REVISED

at complying with the Florida Building Code

Acceptance No 03-0130.05

Expiration Date 12/19/07

By 
Miami Dade Product Control Division


7-13-02

Recommended Deck Span^{1, 2, 3}

Flat Member	Uniform Load	
	100 PSF	200 PSF
1-1/4" x 6"	16 inches	12 inches
2x4, 2x6, 2x8	20 inches	16 inches

- 1) Spans determined assuming uniform loading and reducing the span by 30 percent for increased decking performance.
- 2) Recommended center to center spacing and a minimum of 3 spans fastened at each joist with a maximum deflection of L/360.
- 3) Members installed flat wise.

Nail Spacings and End and Edge Distances^{1, 2, 3}

Hole Preparation	Edge Distance	End Distance		Spacing between Rows of Fasteners in a Row		Spacing between Rows of Fasteners	
		Parallel to Grain		To Grain		In Line	Staggered
		Tension	Compression	Parallel	Perpendicular		
Not Prebored	2.5 D	15 D	10 D	15 D	10 D	5 D	2.5 D
Prebored	2.5 D	10 D	5 D	10 D	5 D	3 D	2.5 D

- 1) D means Diameter
- 2) For fastener calculations use the recommendations of ANSI/AF&PA NDS-2001 for solid sawn lumber with a specific gravity of 0.50.
- 3) Fasteners diameters shall be: 16d nails 0.162 in. or less, #12 screws 0.216 in. or less and bolts 0.50 in. less.

This is to certify that I have read the information shown on this sheet and compared this with similar information shown on sheets 3, 4 and 5 of the Metropolitan Dade County Florida Product Control Notice of Acceptance #94-09015 and find there to be no change in the information shown on this sheet as compared with the original information on #94-09015 as relating to:

- 1) Product Description
- 2) Physical Properties
- 3) Design Stresses
- 4) Recommended Deck Spans
- 5) Nail Spacings and End and Edge Distances
- 6) Appropriate Footnotes

Trex Company, Inc.

3227 SHAWNEE DRIVE
WINCHESTER, VA.

TITLE: TREX PDS#	PLANT: WINCH.
DATE: 10/23/02	OWN: TREX-DADE
PREPARED BY: BLH	
REV.	