



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) 31525-99

www.miamidade.gov/economy

Shredded Tire Inc.
6742 NW 17th Ave.
Fort Lauderdale, FL 33309

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 of the Florida Building Code.

DESCRIPTION: Echo Block & Echo Flow

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 3.

The submitted documentation was reviewed by Jorge L. Acebo.



NOA No.: 18-0326.03
Expiration Date: 06/20/24
Approval Date: 06/20/19
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ROOFING COMPONENT APPROVAL

Category: Roofing
Sub-Category: Roofing Insulation
Materials: Cement & Rubber

TYPICAL PHYSICAL PROPERTIES:

<u>Product</u>	<u>Property</u>	<u>Test Method</u>	<u>Typical Results</u>
Echo Block,	R-value per inch	ASTM C 518	0.614
	Compressive Strength	ASTM C 495	94 psi
	Flexural Strength-Max Load	ASTM C 293	752 lbf
	Flexural Strength-Modulus Rupture	ASTM C 293	128 psi
Echo Flow	R-value per inch	ASTM C 518	1.3127
	Compressive Strength	ASTM C 495	106 psi
	Flexural Strength-Max Load	ASTM C 293	189 lbf
	Flexural Strength-Modulus Rupture	ASTM C 293	43 psi

Note: The physical properties listed above are presented at typical average values as determined by accepted ASTM test methods and are subject to normal manufacturing variation. Numerical ratings as determined by ASTM Test Method E-84 are not intended to reflect hazards presented by this or any other material under actual fire conditions.

MANUFACTURING LOCATIONS:

1. Fort Lauderdale, FL.

EVIDENCE SUBMITTED

<u>Test Agency/Identifier</u>	<u>Name</u>	<u>Report</u>	<u>Date</u>
PRI Construction Materials Technologies, LLC	Physical Properties	DKTT-002-02-01.1	05/14/18
	Physical Properties	DKTT-008-02-01.1	05/14/18
	Physical Properties	SHTI-002-02-01	06/19/18
	Physical Properties	SHTI-004-02-01.1	04/11/19
UL LLC	UL 790	R38782	01/23/19
Quest Engineering Services	ASTM C495	J-16044.005	08/09/16
	ASTM C495	J-16044.006	08/09/16
	ASTM C495	J-19087.001	03/08/19



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TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

Tradename: **Echo Block**
Thickness: 2" – 8"
Board Size(s) 2' x 2' minimum
Core: Cement Coated Shredded Rubber
Facers: None
Decks: Concrete, Steel
Description: Cementitious recycled shredded tire porous insulation block which includes a continuous 8,000 psi structural grout surface on one side.

Tradename: **Echo Flow**
Thickness: 2" – 8"
Board Size(s) 2' x 2' minimum
Core: Cement Coated Shredded Rubber
Facers: None
Decks: Concrete, Steel
Description: Cementitious recycled shredded tire porous insulation block which is used as a fill and allows water to flow through.

COMMENTS AND LIMITATIONS:

1. Roof assemblies are approved under specific roof cover's Product Control Notice of Acceptance.
2. The Shredded Tire products listed may be used with any approved roof covering listing a specific product specified herein as a component part of a roof assembly Notice of Acceptance. If the product is not listed, a request may be made to the Authority Having Jurisdiction (AHJ) or Miami Dade Product Control for approval provided that appropriate documentation is provided.
3. Fire classification is not a part of this Notice of Acceptance.
5. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.
4. All approved products listed herein shall be labeled and shall bear the imprint or identifiable marking of the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below.



END OF THIS ACCEPTANCE



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ECHO BLOCK MAXIMUM DESIGN PRESSURE (CONCRETE DECK): -502.5 PSF

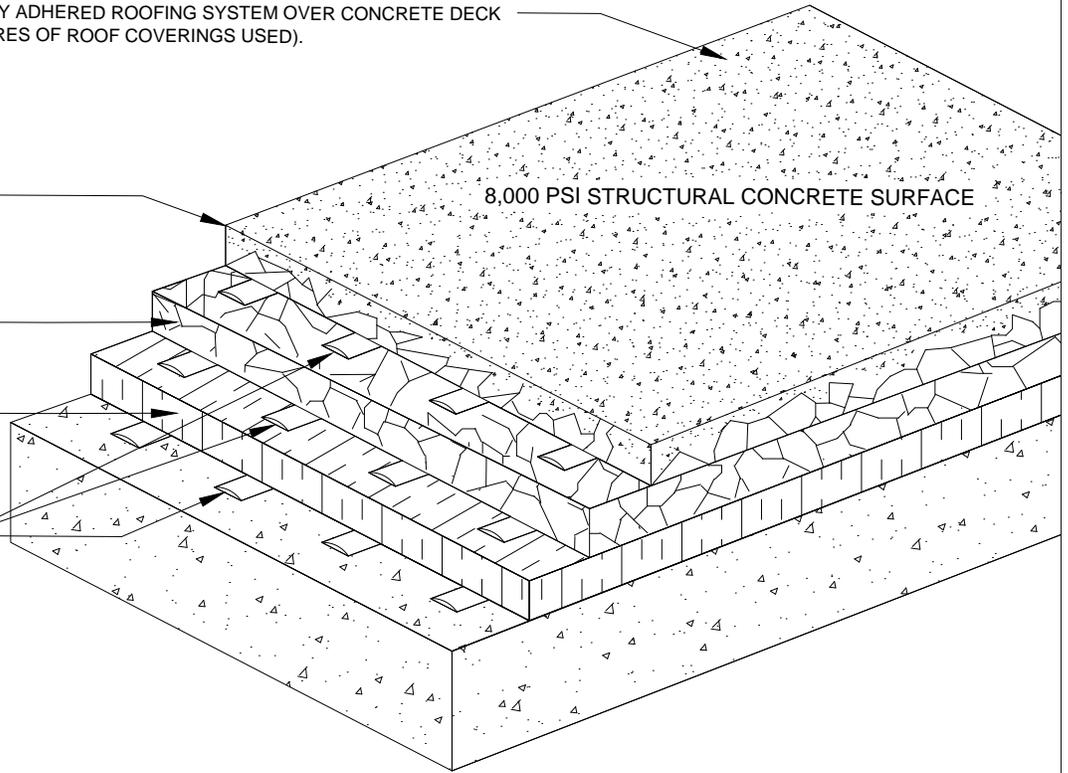
ANY NOA-APPROVED FULLY ADHERED ROOFING SYSTEM OVER CONCRETE DECK
(NOT TO EXCEED PRESSURES OF ROOF COVERINGS USED).

ECHO BLOCK (2" MIN.)
1/4"/FT. SLOPE
(4-WAY SLOPE RQD.)

(OPTIONAL) ECHO FLOW (FILL)
2" MIN. THICKNESS
MULTIPLE LAYERS AS NEEDED

(OPTIONAL) 60 PSI MIN.
EXTRUDED POLYSTYRENE
INSULATION. 2" MIN. THICKNESS
MULTIPLE LAYERS AS NEEDED.

AH-160 PROPACK ADHESIVE
CONTINUOUS 1-1/2" BEADS
SPACED 6" O.C.



ECHO BLOCK MAXIMUM DESIGN PRESSURE (INSULATED STEEL DECK): -427 PSF

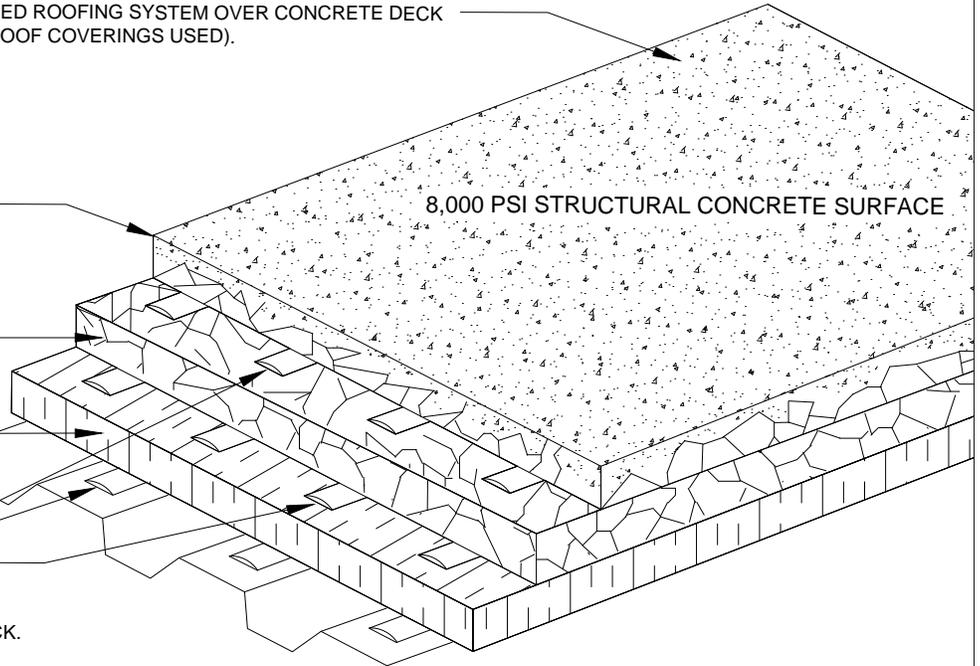
ANY NOA-APPROVED FULLY ADHERED ROOFING SYSTEM OVER CONCRETE DECK
(NOT TO EXCEED PRESSURES OF ROOF COVERINGS USED).

ECHO BLOCK (2" MIN.)
1/4"/FT. SLOPE
(4-WAY SLOPE RQD.)

ECHO FLOW (FILL)
2" MIN. THICKNESS
(OPTIONAL) MULTIPLE LAYERS AS NEEDED

60 PSI MIN. EXTRUDED
POLYSTYRENE INSULATION.
2" MIN. THICKNESS.
(OPTIONAL) MULTIPLE LAYERS
AS NEEDED.

AH-160 PROPACK ADHESIVE
CONTINUOUS 1-1/2" BEADS
SPACED 6" O.C. (AT EACH TOP FLUTE)
OF MIN. 22GA 1.5" TYPE B GALV. STEEL DECK.



ECHO BLOCK MAXIMUM DESIGN PRESSURE (STEEL DECK): -292.5 PSF

ANY NOA-APPROVED FULLY ADHERED ROOFING SYSTEM OVER CONCRETE DECK
(NOT TO EXCEED PRESSURES OF ROOF COVERINGS USED).

8,000 PSI STRUCTURAL CONCRETE SURFACE

ECHO BLOCK (2" MIN.)
1/4"/FT. SLOPE
(4-WAY SLOPE RQD.)

AH-160 PROPACK ADHESIVE
CONTINUOUS 1-1/2" BEADS
SPACED 6" O.C. (AT EACH TOP FLUTE)
OF MIN. 22GA 1.5" TYPE B GALV. STEEL DECK.

