



PRI Construction Materials Technologies LLC

6412 Badger Drive

Tampa, FL 33610

813.621.5777

<https://www.pri-group.com/>

Laboratory Test Report

Report for: Richard Spreen
Shredded Tire, Inc.
6680 MW 17th Ave
Ft. Lauderdale, FL 33309

Product Name: 24" wide .050 Aluminum Coping adhered to Echo Flow and Echo Block

Project No.: 1957T0004

Dates Tested: Nov. 2 – 9, 2020

Test Methods: ANSI/SPRI ES-1 (2003) RE-3
ANSI/SPRI/FM 4435/ES-1 (2011) RE-3

Results Summary:

	<u>Inside Face (5.5")</u>	<u>Top Face (24")</u>	<u>Outside Face (6")</u>
Passing load:	-220psf	-220psf	-110psf

Purpose: Testing was conducted to evaluate the named product for performance in accordance with **ANSI/SPRI ES-1 Wind Design Standard for Edge Systems Used in Low Slope Roofing Systems**, **SPRI Test RE-3 Pull-Off Test for Copings**.

Test Methods: Testing was conducted as described in **ANSI/SPRI Wind Design Standard for Edge Systems Used in Low Slope Roofing Systems**, **SPRI Test RE-3 Pull-Off Test for Copings (2003)** and **ANSI/SPRI/FM 4435/ES-1 Wind Design Standard for Edge Systems Used with Low Slope Roofing Systems**, **RE-3 Test of Copings (2011)**.

Sampling: The following materials were received by PRI.

<u>Product</u>	<u>Origin</u>	<u>Date</u>
24" wide .050 Al Coping	Ft. Lauderdale	Oct. 20, 2020
Echo Block	Ft. Lauderdale	Oct. 20, 2020
Echo Flow	Ft. Lauderdale	Oct. 20, 2020
ICP Adhesives' Polyset AH-160	Ft. Lauderdale	Oct. 20, 2020

Description:

Coping: 0.050 3105 H24 Aluminum; Adhered to Echo Block and Echo Flow with 2.5" to 3" beads of ICP Adhesives' Polyset AH-160 placed 6" o.c. along the top face and one bead along the two vertical faces. See Appendix A for drawing.

Substrate: 24" x 24" x 3" blocks of Echo Flow were adhered to the wood nailer with ICP Adhesives' Polyset AH-160 by applying 2.5" to 3" beads spaced 6" o.c. 24" x 24" x 2.5" blocks of Echo Block were adhered to the Echo Flow with ICP Adhesives' Polyset AH-160 by applying 2.5" to 3" beads spaced 6" o.c. See Appendix A for drawing.

1957T0004

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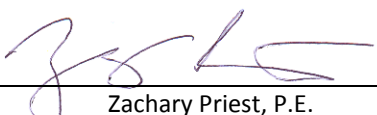
Results: Vertical loads were applied in 25 psf increments up to 150 psf or until failure. Vertical loads applied above 150 psf were applied in 10 psf increments until failure. Horizontal loads were applied using a vertical/horizontal load ratio of 1:1 for the inside face to top face and 2.09:1 for the top face to outside face, based on the ratio of the external pressure coefficients. Maximum passing load is the highest load that was sustained for 60 seconds. Detailed drawings are contained Appendix A.

	Results			
	1:1 Load Ratio		2.09:1 Load Ratio	
	Top Face	Inside Face	Top Face	Outside Face
Passing Load (psf)	220	220	220	110
Failing Load (psf)	230	-	230	-
Time of Failure (s)	25	-	0	-
Failure Mode	Adhesion	None	Adhesion	None

Note(s): 1) Outside Face & Top were loaded simultaneously, and Inside Face & Top were loaded simultaneously per RE-3.

Statement of Attestation:

The edge metal performance was evaluated in accordance with **ANSI/SPRI Wind Design Standard for Edge Systems Used in Low Slope Roofing Systems, SPRI Test RE-3 Pull-Off Test for Copings (2003)** and **ANSI/SPRI/FM 4435/ES-1 Wind Design Standard for Edge Systems Used with Low Slope Roofing Systems, RE-3 Test of Copings (2011)**. The test results are representative of the materials received and prepared as described herein.

Signed: 
Zachary Priest, P.E.
Director

Report Issue History:

Issue #	Date	Pages	Revision Description (if applicable)
Original	11/12/2020	4	NA

1957T0004

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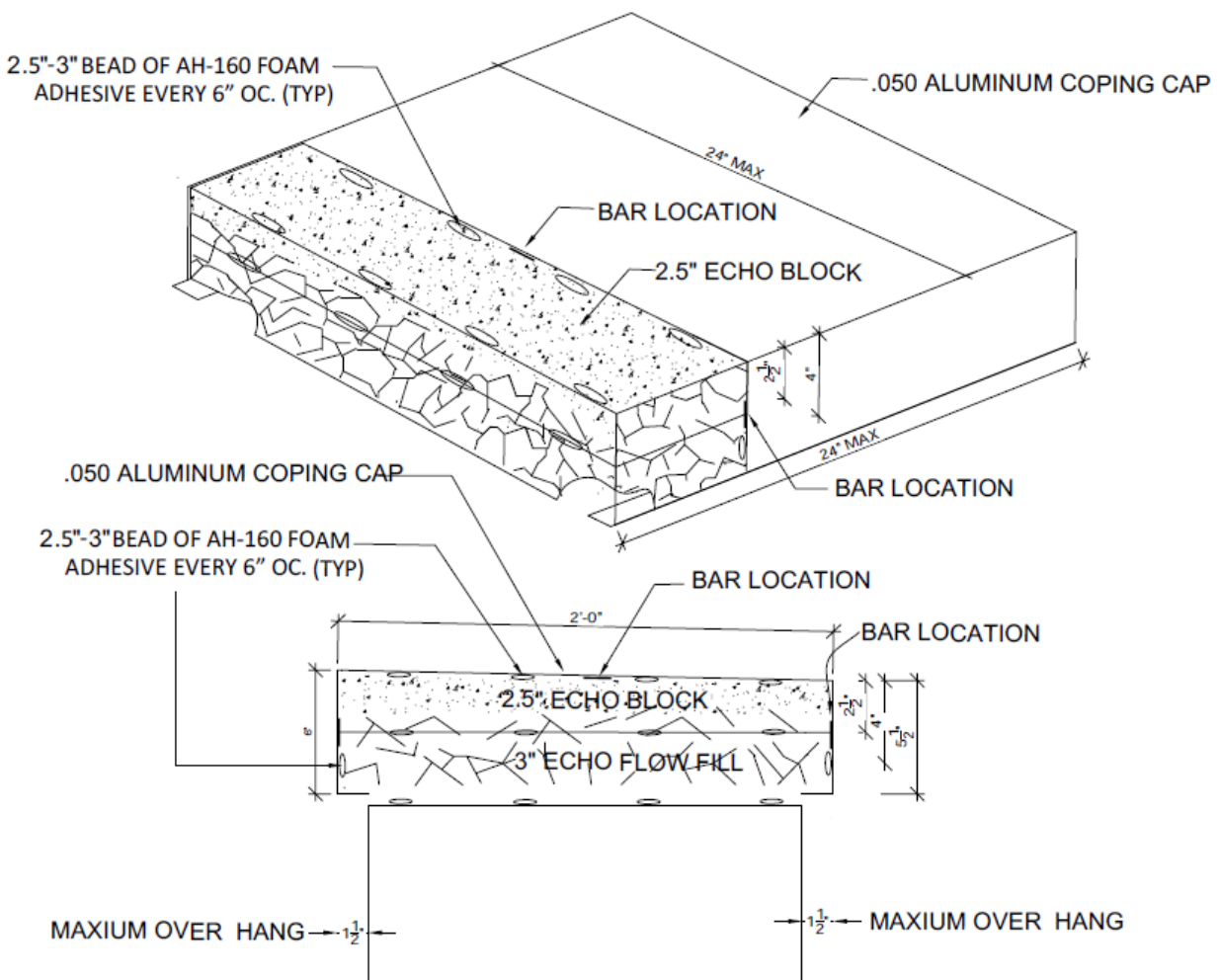


Figure 1. Installation of Coping

1957T0004

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END OF REPORT

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