



PRI Construction Materials Technologies LLC

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Laboratory Test Report

Report for: Brian Brookheart
VADA LLC
3723 North Van Road
Olney, IL 62450

Project Name: VADA Roofing System

Project No.: 1742T0002

Date(s) Tested: Dec. 18, 2023

Test Methods: UL 1897-15

Results Summary: VADA systems installed over concrete deck as follows:

<u>ASM No.</u>	<u>Membrane</u>	<u>Cover Board</u>	<u>Vent Present?</u>	<u>Uplift</u>
1	35mil FiberTite	0.25" DensDeck Prime	N	90psf
2	35mil FiberTite	0.25" DensDeck Prime	Y	405psf

Purpose: Determine the simulated wind uplift pressure in accordance with **UL 1897 Uplift Test for Roofing Covering Systems.**

Test Methods: The *Uplift Resistance* was tested in accordance with UL 1897 (2015) *Uplift Test for Roofing Covering Systems* using a 12ft x 12ft negative pressure chamber mounted over the test specimen.

Sampling: The following materials were received by PRI.

<u>Product</u>	<u>Source</u>	<u>Date</u>	<u>Sampling</u>
VADA Vent	Not provided	Dec. 18, 2023	VADA LLC
35mil FiberTite	Orlando, FL	Dec. 5, 2023	Seaman Corp.
0.25" DensDeck Prime Roof Board	Orlando, FL	Dec. 5, 2023	Seaman Corp.

All other materials were procured through local sources of distribution.

Conditioning: Samples were conditioned 28d or less prior to testing.

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The laboratory test results presented in this report are based on the material(s) supplied and tested. The results, and by extension any statements of conformity, opinions, or interpretations, apply the "simple acceptance" decision rule for measurement uncertainty accounting. This report is for the exclusive use of stated client. Only the client is authorized to permit copying or distribution of this report and then only in its entirety. PRI Construction Materials Technologies LLC assumes no responsibility nor makes a performance or warranty statement for this material or products and processes containing this material in connection with this report.

Results: Testing was performed at ambient conditions. Test pressures were increased by 15psf increments and maintained at each interval for 1 minute. Results are shown below. Installation details are contained in Appendix A. Photographs are attached in Appendix B.

Table 1. Uplift Results

Assembly No.	Test Specimen Details			Results				
	Component	Description	Attachment Detail	Passing Uplift	Failing Uplift	Time of Failure	Failure Mode	Load per Fastener
1	Deck	Min. 2500psi structural concrete	-	90psf ¹	-	-	-	N/A
	Cover Board	0.25" DensDeck Prime Roof Board	Loose laid					
	Membrane	35mil FiberTite	Loose laid with 5" wide side lap sealed with a 1.5" wide heat weld ²					
2	Deck	Min. 2500psi structural concrete	-	405psf ¹	-	-	-	N/A
	Cover Board	0.25" DensDeck Prime Roof Board	Loose laid					
	Membrane	35mil FiberTite	Loose laid with 5" wide side lap sealed with a 1.5" wide heat weld ²					
	Vent	6" VADA turbine roof vent	6" diameter hole cut in roof membrane; Vent mounted by heat welding perimeter flashing to the membrane					

Note(s) 1) Test stopped at client request
 2) Membrane anchored only by perimeter seal of chamber

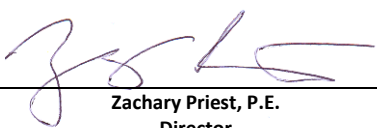
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Statement of Compliance:

The laboratory test results presented in this report are representative of the material supplied and test specimens constructed. Testing was conducted in accordance with **UL 1897 (2015) Uplift Test for Roofing Covering Systems**.

Signed:



Zachary Priest, P.E.
Director

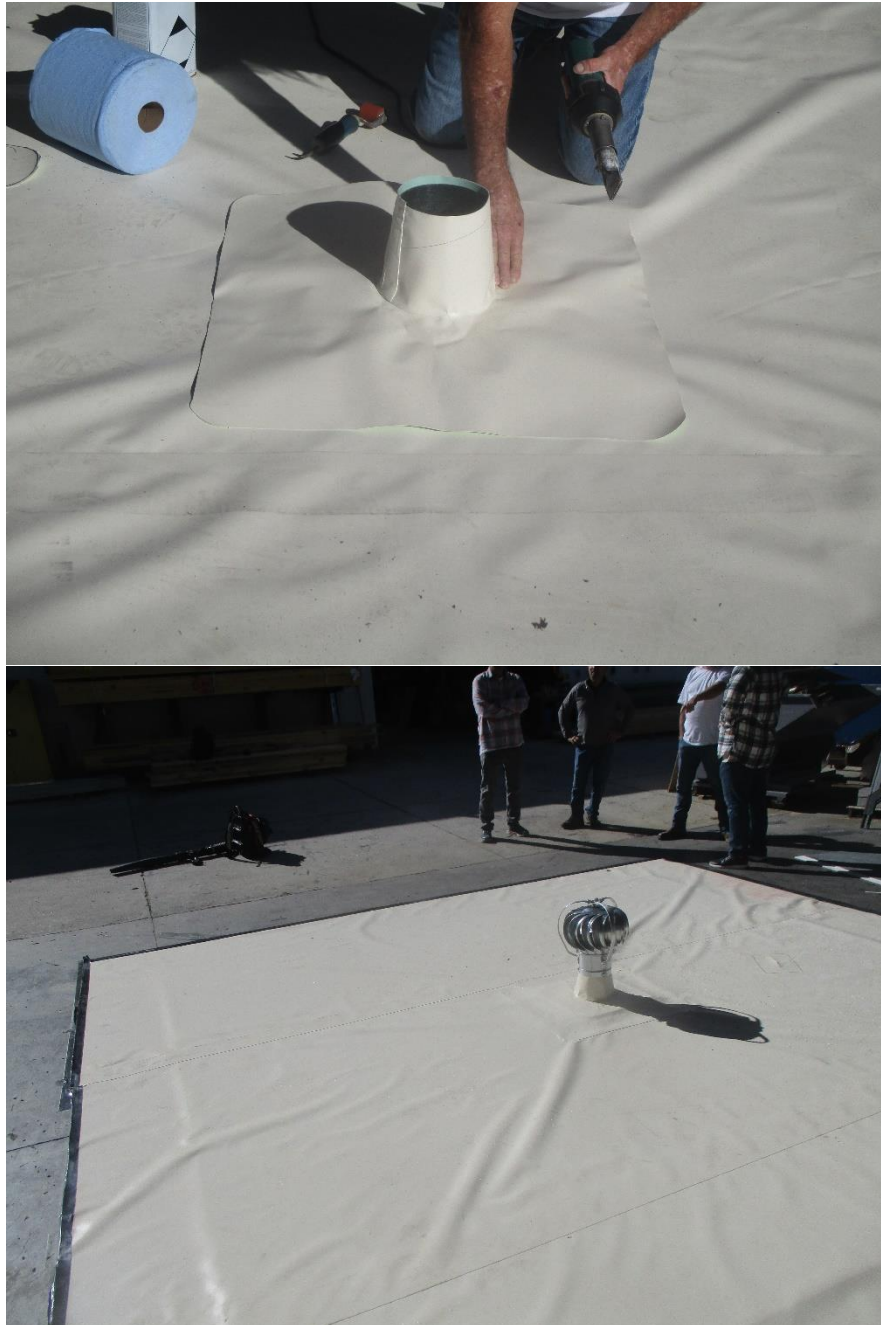
Report Issue History:

Issue #	Date	Pages	Revision Description (if applicable)
Original	01/05/2024	5	NA

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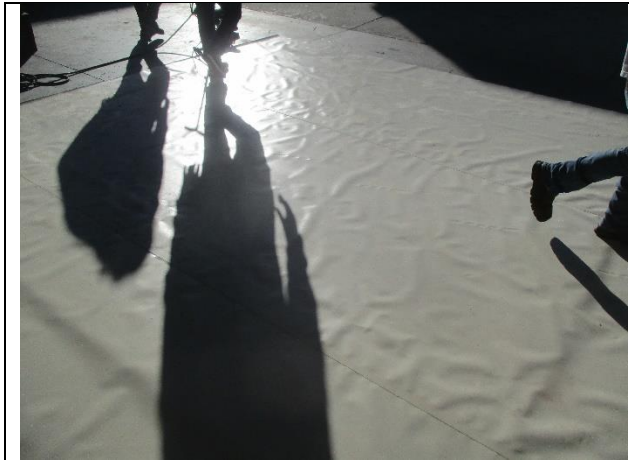
6" VADA Turbine Roof Vent



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Photos After Testing



Assembly No. 1



Assembly No. 2

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