



NEMO | etc.

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ENGINEER

EVALUATE

TEST

CONSULT

Laboratory Report 4j-ACT-23-SSUDL-01.B.R1

Tensile Adhesion / Long Term Aging Testing

of

ROOFNADO™ LapLock™ PSU

produced in

Dubai, UAE

in accordance with

ICC-ES AC152 (Approved February 2016)

Prepared for: Sentry Building Innovations

1209 Orange Street
Wilmington, DE 19801
c/o: Greg Jones

Test Lab: NEMO | etc.

10 Mauney Court
Columbia, SC 29201

Date of Issuance: 2023-08-17

Revision 1: 2023-08-30



LABORATORY REPORT

CLIENT OBJECTIVE

Compliance documentation of ROOFNADO™ LapLock™ PSU, produced in Dubai, UAE under the tensile adhesion / long term aging requirements of ICC-ES AC152.

SCOPE

Tensile adhesion / long term aging testing of ROOFNADO™ LapLock™ PSU, in accordance with ICC-ES AC152.

SAMPLES

PRODUCT	BY	MANUFACTURING LOCATION
ROOFNADO™ LapLock™ PSU	Sentry Building Innovations	Dubai, UAE

TEST PROGRAM

PROJECT	DURATION	PERSONNEL
NUMBER: 4j-ACT-23-SSUDL-01	PSA SIGNED: 2023-01-09	NEMO: D. Carey
CLIENT REFERENCE: N/A	SAMPLING: 2023-03-02	S. Goodwin
MD NOTIFICATION: N/A	MATERIALS RECEIVED: 2023-03-02	
TRACEABILITY	TEST START: 2023-03-10	
VIA: Sampling	TEST END: 2023-07-11	
BY: NEMO etc.		
DATE: 2023-03-02		

APPENDICES

- Appendix 1 Statement of Limitation
- Appendix 2 Decision Rule 1
- Appendix 3 Traceability
- Appendix 4 Tests, Standards, Equipment and Outsourced Log

TENSILE ADHESION / LTA: CONTROL		ROOFNADO LapLock PSU					ICC-ES AC152			
Adhesive	Day	Tensile adhesion, psi					Results			Criteria
		1	2	3	4	5	Avg	SD	Mode of Failure	
Tile Bond Roof Tile Adhesive	0	17	17	18	18	15	17	1	Cohesive of membrane	≥ 10 psi
	14	17	17	16	19	16	17	1		
	60	19	21	17	17	18	19	2		
	120	21	19	18	21	18	19	2		



COMPLIANCE STATEMENT

Sentry Building Innovations' product ROOFNADO™ LapLock™ PSU, produced in Dubai, UAE was submitted for testing to document compliance in accordance with tensile adhesion / long term aging requirements of ICC-ES AC152.

- ROOFNADO LapLock PSU has demonstrated compliance with tensile adhesion / long term aging requirements of ICC-ES AC152 when adhered with Tile Bond Roof Tile Adhesive.

Signed: 

David Carey
 Section Lead, Small-Scale Tests

Signed: 

Robert Nieminen, P.E.
 President

REPORT HISTORY:

<u>DATE</u>	<u>EVENT</u>	<u>NOTES</u>	<u>AUTHORIZATION</u>
2023-08-04	DRAFT 1 issued	For client review	RN
2023-08-04	DRAFT 2 issued	For client review	RN
2023-08-17	Final issued	After client review	RN
2023-08-30	REVISION issued	Business address changed per client request	RN

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TRPT- 0097	REV H	REVISION DATE: 2023-07-10	RELEASED BY: MDA
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APPENDIX 1: STATEMENT OF LIMITATION

The results presented are applicable solely to the products tested herein.

APPENDIX 2: DECISION RULE 1

All results reported to the client reflect observed values without incorporating measurement uncertainty. Determination of conformity to specifications will depend on acceptance limits, where results will be declared to pass if within the limits, and fail if outside the limits.

APPENDIX 3: TRACEABILITY

Product traceability for component tests is facilitated by certification mark, third-party random sampling, or signed Declaration of Manufacturing Location (DML) statement from the client. Third-party random sampling is accepted if undertaken by an ISO/IEC 10720 or ISO/IEC 10725 accredited entity which is independent of the manufacturer and the client. If conducted by NEMO|etc., third-party random sampling is conducted per the sampling plan detailed in SOP-0005, and in accordance with ICC-ES AC85.

APPENDIX 4: TESTS, STANDARDS, EQUIPMENT AND OUTSOURCED LOG

PROPERTY	ICC-ES AC152	SECTION	BASE METHOD	TEST EQUIPMENT		CALIBRATION	
				DESCRIPTION	ASSET #	PRE-TEST	NEXT
Tensile adhesion of tile adhesives			D1623	Instron 34TM-30	0830	2022-04-28	2023-04-30
				Caliper	0511	2023-03-07	2024-03-07

-END OF REPORT-