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**EVALUATION REPORT**

**Tag & Stick, LLC.**  
3771 NW 126<sup>th</sup> Avenue  
Coral Springs, FL 33065  
**(954) 255-3107**

**Evaluation Report 1m-TAG-19-FBCER.A**

**FL38060**

**Date of Issuance: 08/09/2021**

**SCOPE:**

This Evaluation Report is issued under **Rule 61G20-3** and the applicable rules and regulations governing the use of construction materials in the State of Florida. The documentation submitted has been reviewed by Robert Nieminen, P.E. for use of the product under the Florida Building Code. The product described herein has been evaluated for compliance with the **7<sup>th</sup> Edition (2020) Florida Building Code** sections noted herein.

**DESCRIPTION: Tag & Stick MTP Built-Up Roof Systems**

**LABELING:** Labeling shall be in accordance with the requirements of the Accredited Quality Assurance Agency noted herein.

**CONTINUED COMPLIANCE:** This Evaluation Report is valid until such time as the named product(s) changes, the referenced Quality Assurance or production facility location(s) changes, or Code provisions that relate to the product(s) change. Acceptance of our Evaluation Reports by the named client constitutes agreement to notify NEMO ETC, LLC of any changes to the product(s), the Quality Assurance or the production facility location(s). NEMO ETC, LLC requires a complete review of its Evaluation Report relative to updated Code requirements with each Code Cycle.

**ADVERTISEMENT:** The Florida Product Approval Number (FL#) preceded by the words **"NEMO Evaluated"** may be displayed in advertising literature. If any portion of the Evaluation Report is displayed, then it shall be done in its entirety.

**INSPECTION:** Upon request, a copy of this entire Evaluation Report 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 Evaluation Report consists of pages 1 through 3, plus a 1-page Appendix.

**Prepared by:**

**Robert J.M. Nieminen, P.E.**  
Florida Registration No. 59166, Florida DCA ANE1983



The facsimile seal appearing was authorized by Robert Nieminen, P.E. on 08/09/2021. This does not serve as an electronically signed document.

**CERTIFICATION OF INDEPENDENCE:**

1. NEMO ETC, LLC does not have, nor does it intend to acquire or will it acquire, a financial interest in any company manufacturing or distributing products it evaluates.
2. NEMO ETC, LLC is not owned, operated or controlled by any company manufacturing or distributing products it evaluates.
3. Robert Nieminen, P.E. does not have nor will acquire, a financial interest in any company manufacturing or distributing products for which the evaluation reports are being issued.
4. Robert Nieminen, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.
5. This is a building code evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.

**ROOFING SYSTEMS EVALUATION:**
**1. SCOPE:**

**Product Category:** Roofing  
**Sub-Category:** Built-Up Roof Systems  
**Compliance Statement:** **Tag & Stick MTP Built-Up Roof Systems**, as produced by **Tag & Stick MTP**, have demonstrated compliance with the following sections of the **7<sup>th</sup> Edition (2020) Florida Building Code** through testing in accordance with the following Standards. Compliance is subject to the Installation Requirements and Limitations / Conditions of Use set forth herein.

**2. STANDARDS:**

Section	Property	Standard	Year
1504.3.1	Wind resistance	FM 4474	2011
1507.6.3	Material standard	ASTM D1970	2015
1507.10.2	Material standard	ASTM D4601	2012

**3. REFERENCES:**

Entity	Examination	Reference	Date
ERD (TST6049)	FM 4474	E40480.03.12-R2	03/01/2012
PRI (TST5878)	ASTM D1970	TGSK-001-02-01	09/20/2012
PRI (TST5878)	FM 4474	TGSK-003-02-01	09/06/2017
PRI (TST5878)	FM 4474	1581T0003	07/14/2020
NEMO (TST6049)	ASTM D4601	4q-TAG-19-SSMBB-01.A	10/03/2019
UL LLC (QUA9625)	Quality Control	MLA, R27380	03/06/2012
UL LLC (QUA 9625)	Quality Control	Service Confirmation	04/22/2020

**4. PRODUCT DESCRIPTION:**

This Evaluation Report covers **Tag & Stick MTP Built-Up Roof Systems** installed in accordance with **Tag & Stick, LLC** published installation instructions and the Limitations / Conditions of Use herein.

TABLE 1: EVALUATED MEMBRANES				
Type	Product	Material Standard		Plant(s)
		Reference	Type	
Base Sheet & Base Ply	Tag & Stick MTP	ASTM D4601	II	Tuscaloosa, AL
		ASTM D1970	N/A	
<b>Description:</b>	<i>Fiberglass reinforced SBS modified bitumen roll with an 18-inch wide selvage edge, an 18-inch wide section of self-adhering modified bitumen with a removable silicone release film and woven fabric top surface. The product design allows for mechanical attachment of the Base Sheet by a self-adhering Base Ply, resulting in a two-ply system, within in the same roll. The system is finished with an FBC Approved roof coating, as set forth in Appendix 1.</i>			

**5. LIMITATIONS:**

- 5.1 This is a Building Code Evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.
- 5.2 This Evaluation Report is not for use in FBC High Velocity Hurricane Zone jurisdictions (i.e., Broward and Miami-Dade Counties).
- 5.3 This Evaluation Report pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction.
- 5.4 This Evaluation Report does not include evaluation of fire classification. Refer to **FBC 1505** for requirements and limitations regarding roof assembly fire classification. Refer to **FBC 2603** for requirements and limitations concerning the use of foam plastic insulation.

- 5.5 This Evaluation Report does not include evaluation of roof edge termination. Refer to **FBC 1504.5** for requirements and limitations regarding edge securement for low-slope roofs.
- 5.6 Refer to **FBC 1511** for requirements and limitations regarding recover installations.
- 5.6.1 For mechanically attached components over existing roof decks, fasteners shall be tested in the existing deck for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing shall be in accordance with **ANSI/SPRI FX-1** or **Testing Application Standard TAS 105**.
- 5.6.2 For bonded insulation or membrane over existing substrates in a re-roof (tear off) or recover installation, the existing deck or existing roof surface shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with **ANSI/SPRI IA-1, ASTM E907, FM Loss Prevention Data Sheet 1-52** or **Testing Application Standard TAS 124** shall be conducted on mock-ups of the proposed new roof assembly.
- 5.6.3 For bonded insulation or membrane over existing substrates in a recover installation, the existing roof system shall be capable of resisting project design pressures on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing in accordance with **ASTM E907, FM Loss Prevention Data Sheet 1-52** or **Testing Application Standard TAS 124**.
- 5.7 Refer to Appendix 1 for system attachment requirements for wind load resistance.
- 5.7.1 “MDP” = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 (the 2 to 1 margin of safety per **FBC 1504.9** has already been applied). Refer to **FBC 1609** for determination of design wind loads.
- 5.7.2 For mechanically attached components or partially-bonded insulation, the maximum design pressure for the selected assembly shall meet or exceed the Zone 1 design pressure determined in accordance with **FBC Chapter 16**. Zones 2 and 3 shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are **ANSI/SPRI WD1, FM Loss Prevention Data Sheet 1-29, Roofing Application Standard RAS 117** and **Roofing Application Standard RAS 137**. Assemblies marked with an asterisk\* carry the limitations set forth in **Section 2.2.10.1 of FM Loss Prevention Data Sheet 1-29 (February 2020)** for Zone 2/3 enhancements.
- 5.7.2 For assemblies with all components fully bonded in place, the maximum design pressure for the selected assembly shall meet or exceed critical design pressure determined in accordance with **FBC Chapter 16**. No rational analysis is permitted for these systems.
- 5.8 All components in the roof assembly shall have quality assurance audit in accordance with **F.A.C. Rule 61G20-3**. Refer to the Product Approval of the component manufacturer for components listed in Appendix 1 that are produced by a Product Manufacturer other than the report holder on Page 1 of this Evaluation Report.

**6. INSTALLATION:**

**Tag & Stick MTP Built-Up Roof Systems** shall be installed in accordance with **Tag & Stick, LLC** published installation instructions, subject to the Limitations / Conditions of Use herein.

**7. BUILDING PERMIT REQUIREMENTS:**

As required by the Building Official or Authority Having Jurisdiction to properly evaluate the installation of this product.

**8. MANUFACTURING PLANTS:**

Contact the named QA entity for manufacturing facilities covered by **F.A.C. Rule 61G20-3** QA requirements. Refer to Section 4 herein for products and production locations having met codified material standards.

**9. QUALITY ASSURANCE ENTITY:**

UL, LLC – QUA9625: (613) 371-2765; [Jacob.Stewart@ul.com](mailto:Jacob.Stewart@ul.com)

**- THE 1-PAGES THAT FOLLOW FORM PART OF THIS EVALUATION REPORT -**

**APPENDIX 1: ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE**
**The following notes apply to the systems outlined herein:**

- 1 The roof system evaluation herein pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction.
- 2 The maximum design pressure for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with FBC Chapter 16. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are ANSI/SPRI WD1, FM Loss Prevention Data Sheet 1-29, Roofing Application Standard RAS 117 and Roofing Application Standard RAS 137. Assemblies marked with an asterisk\* carry the limitations set forth in Section 2.2.10.1 of FM Loss Prevention Data Sheet 1-29 (February 2020) for Zone 2/3 enhancements.
- 3 For mechanically attached components over existing decks, fasteners shall be tested in the existing deck for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing and analysis shall be in accordance with ANSI/SPRI FX-1 or Testing Application Standard TAS 105.
- 4 Refer to FBC 1511 for requirements and limitations regarding recover installations.
- 5 Fasten the nailable portion as set forth in Table 1, where “Top Edge” reflects the row within 2-inches of the top edge of the sheet, “Bottom Edge” reflects the row within 2-inches of the lap-line (surface fabric), and “Center” reflects the row(s) between the edge rows. Fasten the 6-inch end (vertical) laps 6-inch o.c. Apply the self-adhering portion atop the nailed portion and roll-in in accordance with **Tag & Stick, LLC**, published instructions.
- 6 “MDP” = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads. Refer to FBC 1609 for determination of design wind loads

**TABLE 1: WOOD DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE E-1: NON-INSULATED, MECHANICALLY FASTENED ROOF COVER**

System No.	Deck (Note 1)	Slip Sheet	Base Sheet & Base Ply						Surfacing	MDP (psf)
			Type	Fasteners (Note 11)	Attachment (Note 6)					
					Top Edge (inch o.c.)	Bottom Edge (inch o.c.)	Center Row(s)			
							# of rows	Space (inch o.c.)		
W-1.	Min. 15/32-inch APA rated CDX plywood or 1-inch wood plank; 2 ft span	(Optional) GAF “Versashield SOLO Fire Resistant Slip Sheet”, loose laid	Tag & Stick MTP	12 ga. x 1.25-inch long x 3/8-inch head diameter, corrosion-resistant annular ring shank roofing nails and 1-5/8-inch diameter corrosion-resistant tin caps	12	12	1	12	Tropical Asphalt Products “#996 Eterna-Sil Premium Asphalt Bleed Blocker” followed by “#924 Eterna-Sil Premium Silicone Roof Coating” (FBC FL21392)	-45.0*
W-2.	Min. 19/32-inch APA rated CDX plywood or 1-inch wood plank; 2 ft span	(Optional) GAF “Versashield SOLO Fire Resistant Slip Sheet”, loose laid	Tag & Stick MTP	12 ga. x 1.25-inch long x 3/8-inch head diameter, corrosion-resistant annular ring shank roofing nails and 1-5/8-inch diameter corrosion-resistant tin caps	11	11	1	11	Tropical Asphalt Products “#996 Eterna-Sil Premium Asphalt Bleed Blocker” followed by “#924 Eterna-Sil Premium Silicone Roof Coating” (FBC FL21392)	-52.5
W-3.	Min. CAT 19/32 APA PS 1-09, CDX plywood or 1-inch wood plank, 2 ft span	GAF “Versashield SOLO Fire Resistant Slip Sheet”, loose laid	Tag & Stick MTP	12 ga. x 1.25-inch long x 3/8-inch head diameter, corrosion-resistant annular ring shank roofing nails and 1-5/8-inch diameter corrosion-resistant tin caps	6	6	1	6	Tropical Asphalt Products “#996 Eterna-Sil Premium Asphalt Bleed Blocker” followed by “#924 Eterna-Sil Premium Silicone Roof Coating” (FBC FL21392)	-67.5