



NEMO EVALUATION REPORT (NER)



Leadax Americas

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SUBJECT: Leadax® Flashing | Original

SCOPE: This NER is issued under F.A.C. [Rule 61G20-3](#) and the applicable rules and regulations governing Product Approval of construction materials in the State of Florida. NEMO Evaluations has evaluated the product described herein for compliance with intent of the [Code sections noted herein](#).

CODE: 2020 Florida Building Code, 7th Edition
2023 Florida Building Code, 8th Edition

JURISDICTION: Non-HVHZ and HVHZ

NEMO CATEGORY: Flashing Accessories

FBC CATEGORY: Roofing

FBC SUB-CATEGORY: Roofing Accessories that are an Integral Part of the Roofing System

CSI DIVISION: 07 00 00 Thermal and Moisture Protection
07 65 00 Flexible Flashing
07 70 00 Roof and Wall Specialties and Accessories

METHOD: Method 2, Option A – Non-Codified Material, Evaluation by Evaluation Entity

COMPLIANCE STATEMENT: **Leadax® Flashing | Original**, as produced by **Leadax B.V.**, has demonstrated compliance with the intent of the Code sections noted herein through testing in accordance with the referenced Standards, rational analysis and an ongoing quality assurance program. Compliance is subject to the [Installation Requirements](#) and [Limitations of Use](#) set forth herein.

QUALITY ASSURANCE: Evidence of current quality assurance shall be listing and labeling in accordance with the requirements of [NEMO|cert](#).

CONTINUED COMPLIANCE: This NER is valid until such time the named product(s) change, the referenced Quality Assurance changes, or the evaluated Code provisions change. NEMO Evaluations require, at minimum, a complete review of this NER with each 3-year Code Cycle.

BUILDING PERMIT REQUIREMENTS: As required by the Building Official or Authority Having Jurisdiction to evaluate the installation of this product.

ADVERTISEMENT: The Florida Product Approval Number (FL#) preceded by the words “NEMO Evaluated” may be displayed in advertising literature. If any portion of the NER is displayed, it shall be displayed in its entirety.

CERTIFICATION OF INDEPENDENCE:

- ✓ 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.
- ✓ NEMO ETC, LLC is not owned, operated or controlled by any company manufacturing or distributing products it evaluates.
- ✓ This is a building code evaluation. NEMO ETC, LLC is not, in any way, the Designer of Record for any project on which this NER, or previous versions thereof, is/was used for permitting or design guidance.



1. CODES, PROPERTIES AND STANDARDS:

Code	Section	Property	Standard	Year
2020 Florida Building Code, 7 th Edition	104.11	Alternative materials provision	N/A	N/A
2023 Florida Building Code, 8 th Edition	1503.2	Flashing requirement	N/A	N/A
	1507.2.9	Flashing requirement	N/A	N/A
	1507.3.9	Flashing requirement	RAS 118, 119, 120	2020
	1518.8.1	Flashing requirement	RAS 118, 119, 120	2020
	1504.6, 2615.2(2)	Accelerated weathering	ASTM G155	2013

2. PRODUCTS:

2.1 Leadax® Flashing | Original is used as rooftop flashing component; specifically flashing in tile roof systems under the FRSA/TRI Installation Manual and FBC HVHZ RAS 118, RAS 119 or RAS 120.

TABLE 1A: EVALUATED COMPONENTS			
TYPE	PRODUCT	DESCRIPTION	MFG. LOCATION
Accessory / Flashing	Leadax Flashing Original	Lead free flashing material made of aluminum-web reinforcement coated with polyvinyl butyral (PVB). Available in rolls 6 m long x 100 mm to 1000 mm wide, with multiple color options.	The Netherlands

2.2 In accordance with FBC 104.11, Leadax® Flashing | Original meets the intent of the Code-sections set forth in Section 1. The physical properties data below is offered as a point-of-reference for use by the Authority Having Jurisdiction at their discretion.

TABLE 1B: TYPICAL NOMINAL PROPERTIES				
COMPONENT	PROPERTY	TEST STANDARD	RESULT	
Leadax® Flashing Original	Thickness (overall), mils	ASTM D751	110	
	Breaking strength (lbf/in.)	MD	ASTM D751, Grab	235
		XMD		315
	Elongation (%)	MD		105
		XMD		20
	Tear strength (lbf)	MD	ASTM D751, tongue-tear, 8x8-inch	43
		XMD		26
	Low temperature bend, °F		ASTM D2136	Pass -40
	Hydrostatic resistance, psi		ASTM D751, Method A	> 175
	Ozone resistance, visual		ASTM D1149(B) per D7067	No cracks at 7x
Weather resistance		6,000 continuous hours at repeating cycle of 4 hours UVB exposure at 0.66 W/m ² -nm followed by 4 hours condensation. Total radiant energy: 7,125 kJ/(m²-nm)	No cracks or craze at 7x	



3. INSTALLATION:

- 3.1 **Leadax® Flashing | Original** shall be installed in accordance with **Leadax B.V.** published installation instructions, subject to the [Limitations of Use](#) noted herein.
- 3.2 Use Leadax® High-Tack Adhesive applied in a serpentine ribbon in accordance with **Leadax B.V.** published installation instructions to adhere **Leadax® Flashing | Original** to allowable substrates set forth in Section 4.4.
- 3.3 When using **Leadax® Flashing | Original** as a hip-and-ridge flashing, and the hip/ridge tile is to be applied in Approved tile adhesive, the **Leadax® Flashing | Original** shall be applied as individual flashing components on both sides of the hip/ridge board or hip/ridge metal, thereby allowing the tile adhesive to contact with, and adhere to, the hip/ridge board or hip/ridge metal in accordance with Product Approval requirements of the roof tile and roof tile adhesive manufacturers.

4. LIMITATIONS OF USE:

- 4.1 This is a building code evaluation. NEMO ETC, LLC is not, in any way, the Designer of Record for any project on which this NER, or previous versions thereof, is/was used for permitting or design guidance. NERs are not to be construed as representing any attributes not specifically listed, nor are NERs to be construed as an endorsement of the subject of the report or a recommendation for its use. There is no warranty by NEMO ETC, LLC, express or implied, as to any finding or other matter in this report, or as to any product covered by the report.
- 4.2 **Leadax® Flashing | Original** are components for use in Approved and existing roof assemblies. The components noted herein are not purported to be Roofing Systems, and their use shall be governed by and limited to applications where Roof System Product Approval is not necessary (e.g., flashings and accessories) or where the components are specifically called out in a Roof System Product Approval.
- 4.3 The existing roof system and/or substrate shall meet fire classification and wind uplift requirements of the project to the satisfaction of the Authority Having Jurisdiction.
- 4.4 Allowable substrates for adhering Leadax® Flashing | Original using Leadax® High-Tack Adhesive include:
 - ✓ Clay or concrete roof tile
 - ✓ Aluminum, galvanized steel or stainless steel
 - ✓ OSB, plywood and SYP lumber
- 4.5 **Leadax® Flashing | Original** shall not be used as a substrate to which hip/ridge tile is adhered using Approved tile adhesive. See Section 3.3 herein.
- 4.6 All components in the roof assembly shall have quality assurance surveillance in accordance with **F.A.C. Rule 61G20-3**. For components listed herein that are produced by a manufacturer other than the report holder on [Page 1](#) of this NER, refer to the [Florida Product Approval](#) of the component manufacturer.

- END OF NER -