



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786)315-2590 F (786) 31525-99
www.miamidade.gov/

NOTICE OF ACCEPTANCE (NOA)

ArteZanos®, Inc.
9455 SW 78 St.
Miami, FL. 33173

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: ArteZanos® Flexible Solar Photovoltaic

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA 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 NOA consists of pages 1 through 13.
The submitted documentation was reviewed by Alex Tigera.



NOA No.: 21-0315.05
Expiration Date: 06/24/26
Approval Date: 06/24/21
Page 1 of 13

ROOFING COMPONENT APPROVAL

Category: Roofing
Sub-Category: Energy Collectors
Material: ETFE Fluoroplastic

SCOPE:

This approves “**ArteZanos® Flexible Solar Photovoltaic**” as an auxiliary roof integrated equipment manufactured by MiaSole Hi-Tech Corp and Merlin Solar Technologies, as described in this Notice of Acceptance, designed to comply with the Florida Building Code and the High Velocity Hurricane Zone of the Florida Building Code.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product Name</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
ArteZanos® Flexible Thin Film PV: Flex-02N <i>Manufacturing</i> <i>Location # 1, 2, 3, 4, 5, 6, 7, 8</i>	length = 102.24” width = 13.68” thickness = 0.10”	UL-61730	A self-adhering, flat-plate photovoltaic module which converts power in the visible portion of the electromagnetic spectrum to DC power.
ArteZanos® Flexible Thin Film PV: Flex-02NS <i>Manufacturing</i> <i>Location # 1, 2, 3, 4, 5, 6, 7, 8</i>	length = 67.79” width = 13.68” thickness = 0.10”	UL-61730	A self-adhering, flat-plate photovoltaic module which converts power in the visible portion of the electromagnetic spectrum to DC power.
ArteZanos® Flexible Thin Film PV: Flex-02NL <i>Manufacturing</i> <i>Location # 1, 2, 3, 4, 5, 6, 7, 8</i>	length = 233.04” width = 13.68” thickness = 0.10”	UL-61730	A self-adhering, flat-plate photovoltaic module which converts power in the visible portion of the electromagnetic spectrum to DC power.
ArteZanos® Flexible Thin Film PV: Flex-02W <i>Manufacturing</i> <i>Location # 1, 2, 3, 4, 5, 6, 7, 8</i>	length = 102.24” width = 39” thickness = 0.10”	UL-61730	A self-adhering, flat-plate photovoltaic module which converts power in the visible portion of the electromagnetic spectrum to DC power.
ArteZanos® Flexible Thin Film PV: Flex-02WS <i>Manufacturing</i> <i>Location # 1, 2, 3, 4, 5, 6, 7, 8</i>	length = 67.79” width = 39” thickness = 0.10”	UL-61730	A self-adhering, flat-plate photovoltaic module which converts power in the visible portion of the electromagnetic spectrum to DC power.



ArteZanos® Flexible Thin Film PV: Flex-03N <i>Manufacturing</i> <i>Location # 1, 2, 3, 4, 5, 6, 7, 8</i>	length = 101.77" width = 13.7" thickness = 0.10"	UL-61730	A self-adhering, flat-plate photovoltaic module which converts power in the visible portion of the electromagnetic spectrum to DC power.
ArteZanos® Flexible Thin Film PV: Flex-03NS <i>Manufacturing</i> <i>Location # 1, 2, 3, 4, 5, 6, 7, 8</i>	length = 67.32" width = 13.7" thickness = 0.10"	UL-61730	A self-adhering, flat-plate photovoltaic module which converts power in the visible portion of the electromagnetic spectrum to DC power.
ArteZanos® Flexible Thin Film PV: Flex-03NL <i>Manufacturing</i> <i>Location # 1, 2, 3, 4, 5, 6, 7, 8</i>	length = 232.67" width = 13.7" thickness = 0.10"	UL-61730	A self-adhering, flat-plate photovoltaic module which converts power in the visible portion of the electromagnetic spectrum to DC power.
ArteZanos® Flexible Thin Film PV: Flex-03W <i>Manufacturing</i> <i>Location # 1, 2, 3, 4, 5, 6, 7, 8</i>	length = 101.77" width = 50.90" thickness = 0.10"	UL-61730	A self-adhering, flat-plate photovoltaic module which converts power in the visible portion of the electromagnetic spectrum to DC power.
ArteZanos® Flexible Thin Film PV: Flex-03WS <i>Manufacturing</i> <i>Location # 1, 2, 3, 4, 5, 6, 7, 8</i>	length = 39.76" width = 50.90" thickness = 0.10"	UL-61730	A self-adhering, flat-plate photovoltaic module which converts power in the visible portion of the electromagnetic spectrum to DC power.
ArteZanos® Flexible C-SI PV: Model FX24L <i>Manufacturing</i> <i>Location # 9</i>	length = 79.92" width = 14.65" thickness = 0.12"	UL-1703	A self-adhering, flat-plate photovoltaic module which converts power in the visible portion of the electromagnetic spectrum to DC power.
ArteZanos® Flexible C-SI PV: Model FX36L <i>Manufacturing</i> <i>Location # 9</i>	length = 117.44" width = 14.65" thickness = 0.12"	UL-1703	A self-adhering, flat-plate photovoltaic module which converts power in the visible portion of the electromagnetic spectrum to DC power.
ArteZanos® Flexible C-SI PV: Model FX36S <i>Manufacturing</i> <i>Location # 9</i>	length = 42.05" width = 38.86" thickness = 0.12"	UL-1703	A self-adhering, flat-plate photovoltaic module which converts power in the visible portion of the electromagnetic spectrum to DC power.

MANUFACTURING LOCATIONS:

1. Sunnyvale, CA.
2. Chengdu, Sichuan Province, CHINA
3. Changxing County, Zhejiang Province, CHINA
4. Haidong Industrial Park, Qinghai Province, CHINA
5. Tangshan, HEBEI Province, CHINA
6. Zibo, Shandong, CHINA
7. Gongqingcheng City, Jiangxi Province, CHINA
8. Datong City, Shanxi Province, CHINA
9. San Jose, CA.

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
TUV Rheinland	31740016.001	UL-1703	06/01/16
Underwriter Laboratories, Inc.	E334028-4788895480	UL-61730	02/06/20
Intertek	104386362MID-001	UL 790	07/24/20
American Test Lab of South Florida	R1104.01-20	TAS 114 (D)	11/11/20
	R1130.01-20	TAS 114 (D)	03/06/21
	R1214.01-20	TAS 114 (D)	12/14/20
	R1230.01-20	TAS 114 (D)	12/30/20
	R0122.01-21	TAS 114 (D)	01/22/21
	R1230.02-21	TAS 114 (D)	12/30/20



PHYSICAL PROPERTIES OF COMPONENTS

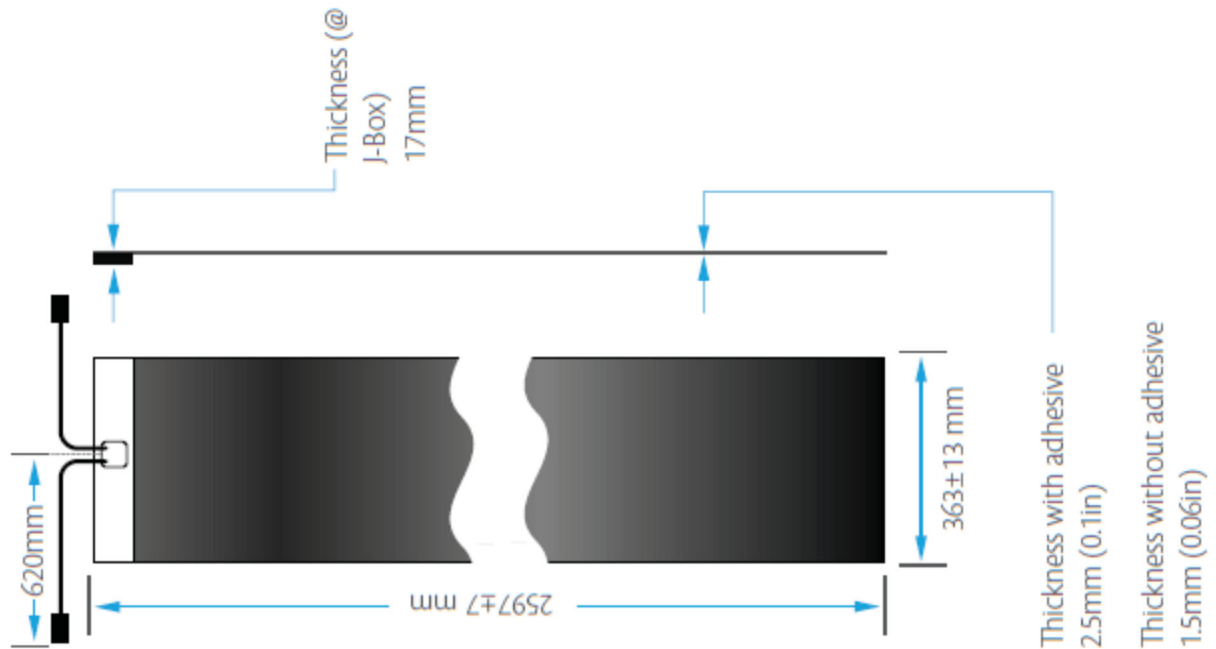
Trade names:	ARTEZANOS® FLEXIBLE THIN FILM PV: FLEX-02N, FLEX-02NS, FLEX-02NL, FLEX-02W, FLEX-02WS, FLEX-03N, FLEX-03NS, FLEX-03NL, FLEX-03W, FLEX-03WS
Specifications:	UL 61730
Description:	A self-adhering, flat-plate photovoltaic module may be applied to: <ul style="list-style-type: none">• Aluminum Metal Panels.• Galvanized Steel Panels
Systems Approvals:	Installation of the Photovoltaic Laminates shall comply with ArteZanos®, Inc.'s specific product installation specifications with the limitations specified herein. Photovoltaic Laminates shall be installed only on approved structural metal roof systems, non-structural metal roof systems, or ArteZanos® Hybrid Systems that have a valid Miami Dade NOA approval. Installation of the metal panels and the corresponding maximum design pressure rating or moment based uplift rating shall be as specified in the applicable Miami-Dade NOA approval for the metal roof system or ArteZanos® Hybrid Roof System.
Trade names:	ARTEZANOS® FLEXIBLE C-SI PV: MODEL FX36L, MODEL FX36S
Specifications:	UL 1703
Description:	A self-adhering, flat-plate photovoltaic module may be applied to: <ul style="list-style-type: none">• Aluminum Metal Panels.• Galvanized Steel Panels
Systems Approvals:	Installation of the Photovoltaic Laminates shall comply with ArteZanos®, Inc.'s specific product installation specifications with the limitations specified herein. Photovoltaic Laminates shall be installed only on approved structural metal roof systems, non-structural metal roof systems, or ArteZanos® Hybrid Systems that have a valid Miami Dade NOA approval. Installation of the metal panels and the corresponding maximum design pressure rating or moment based uplift rating shall be as specified in the applicable Miami-Dade NOA approval for the metal roof system or ArteZanos® Hybrid Roof System.

BUILDING PERMIT REQUIREMENTS:

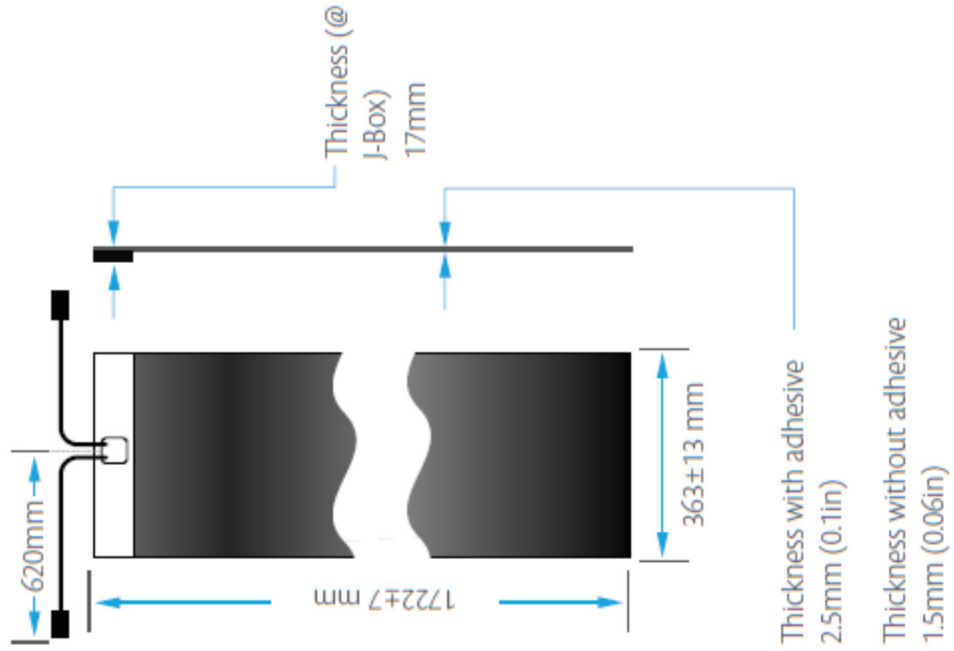
1. Any other documents required by the Building Official or applicable Building Code in order to properly evaluate the installation of this system.

DRAWINGS

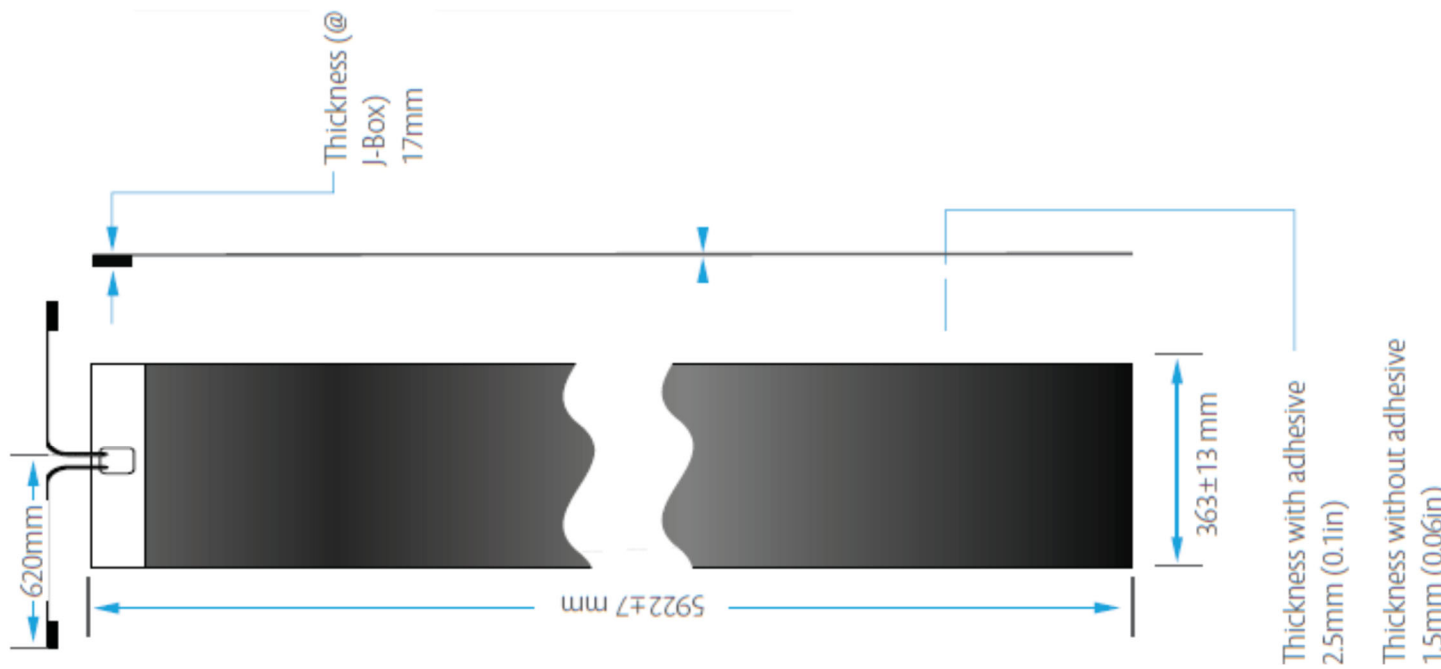
ARTEZANOS® FLEXIBLE THIN FILM PV



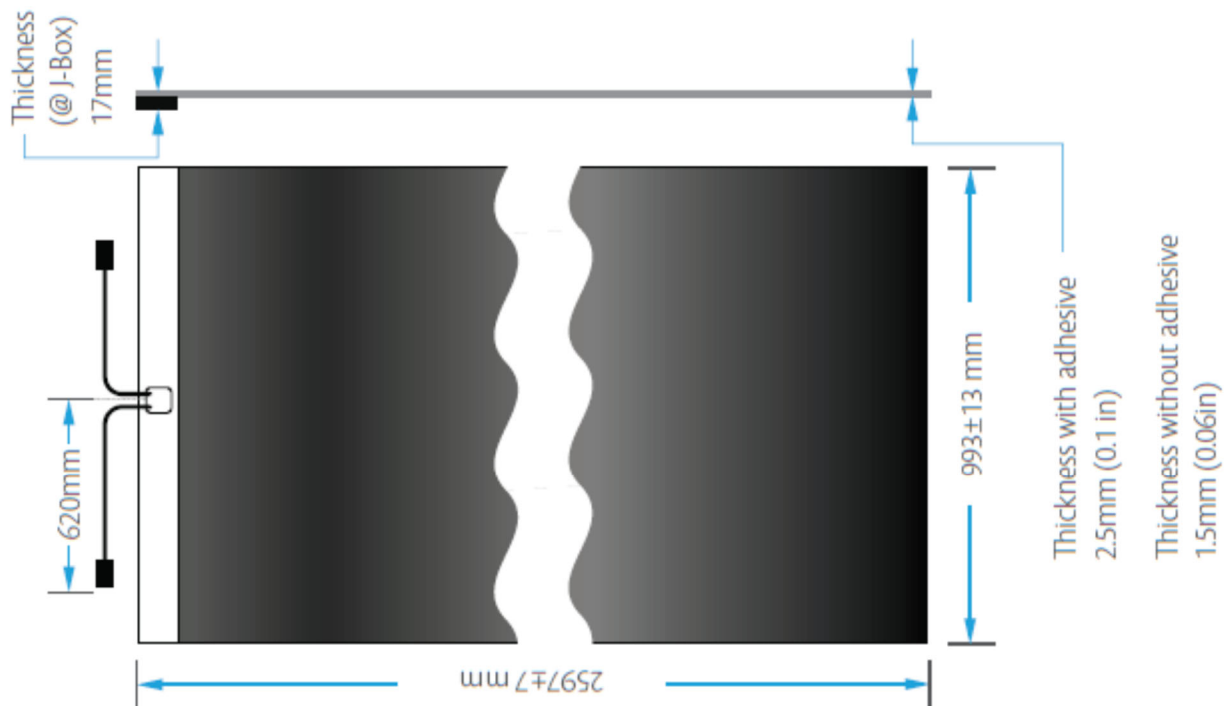
FLEX-02N



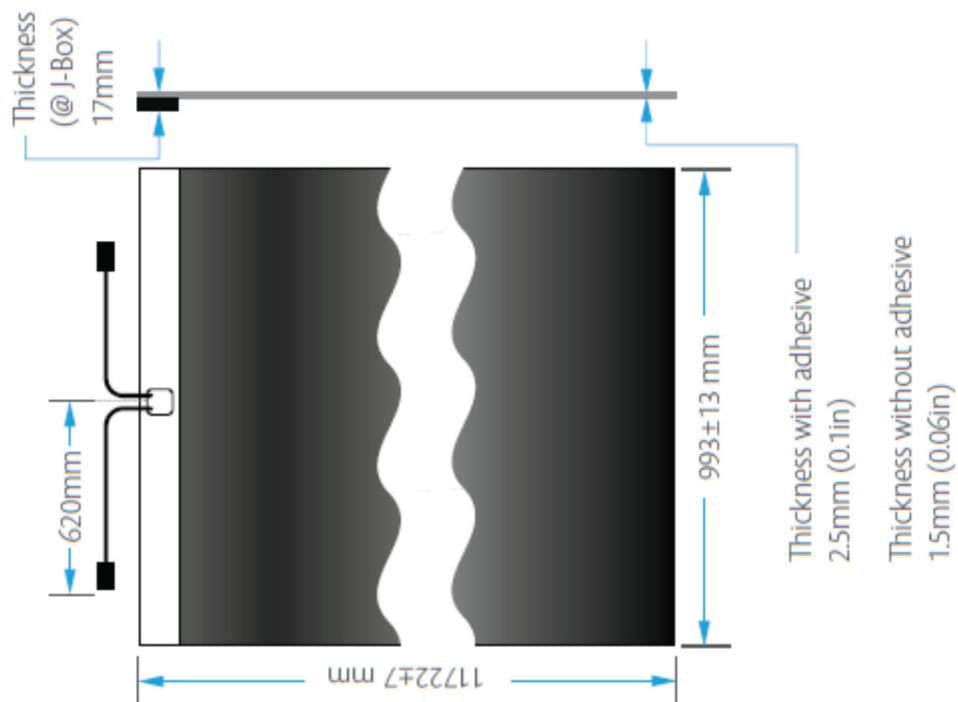
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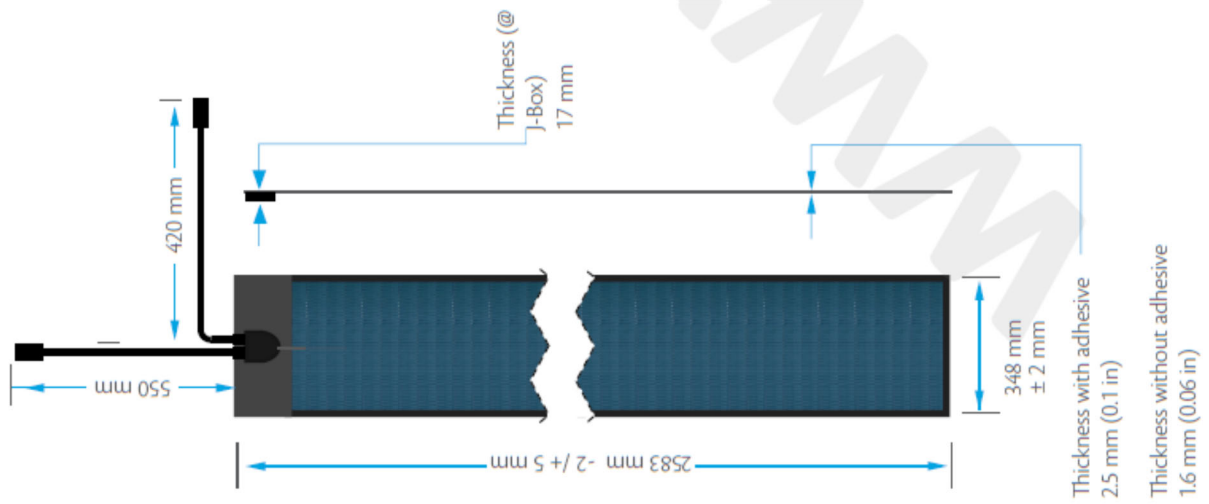
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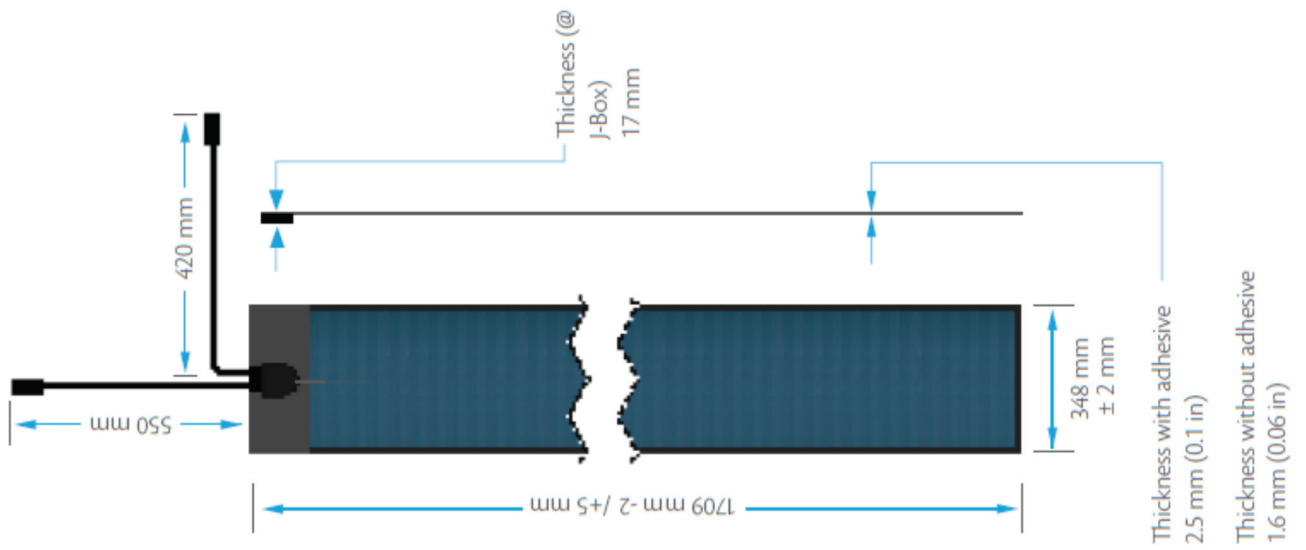
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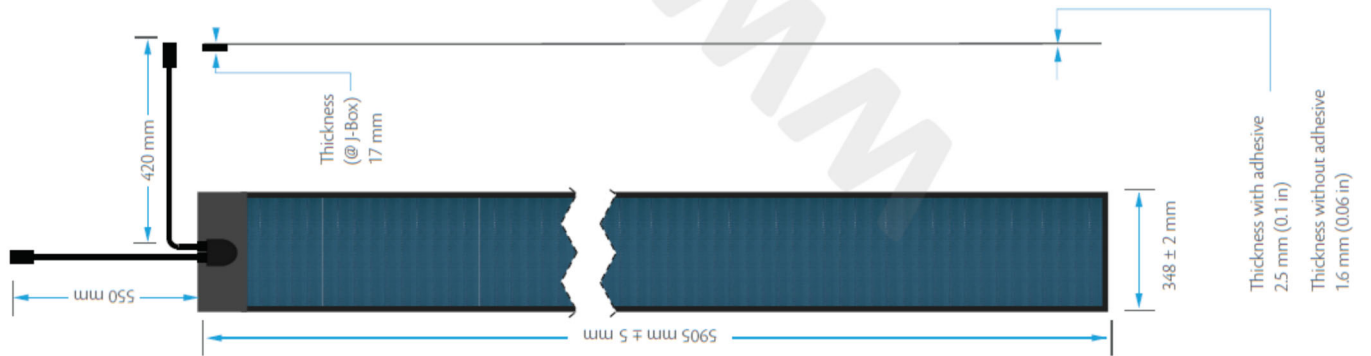
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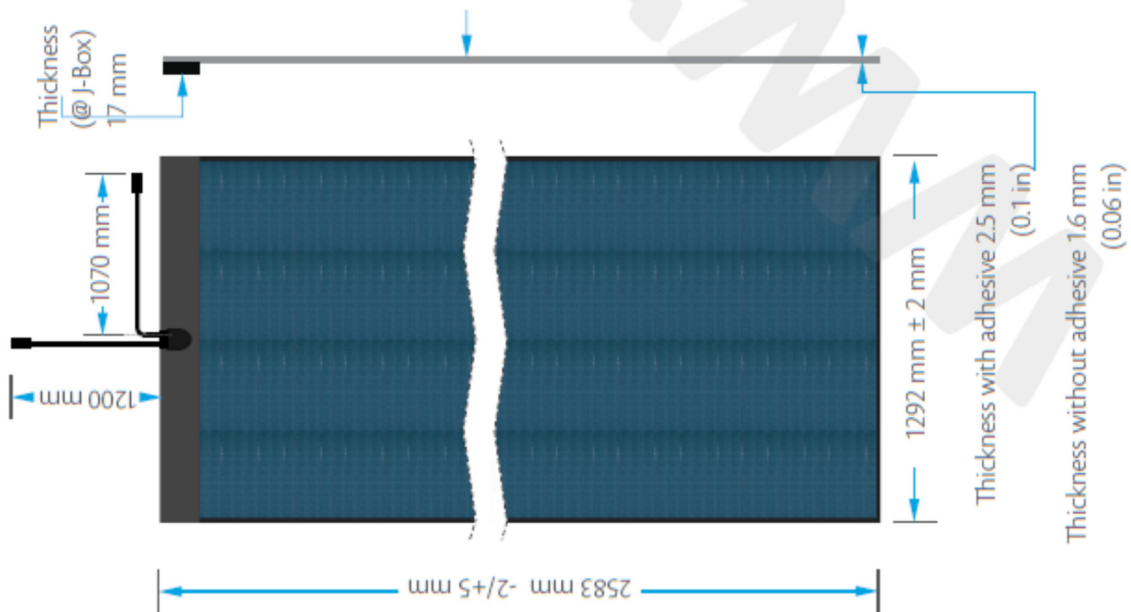
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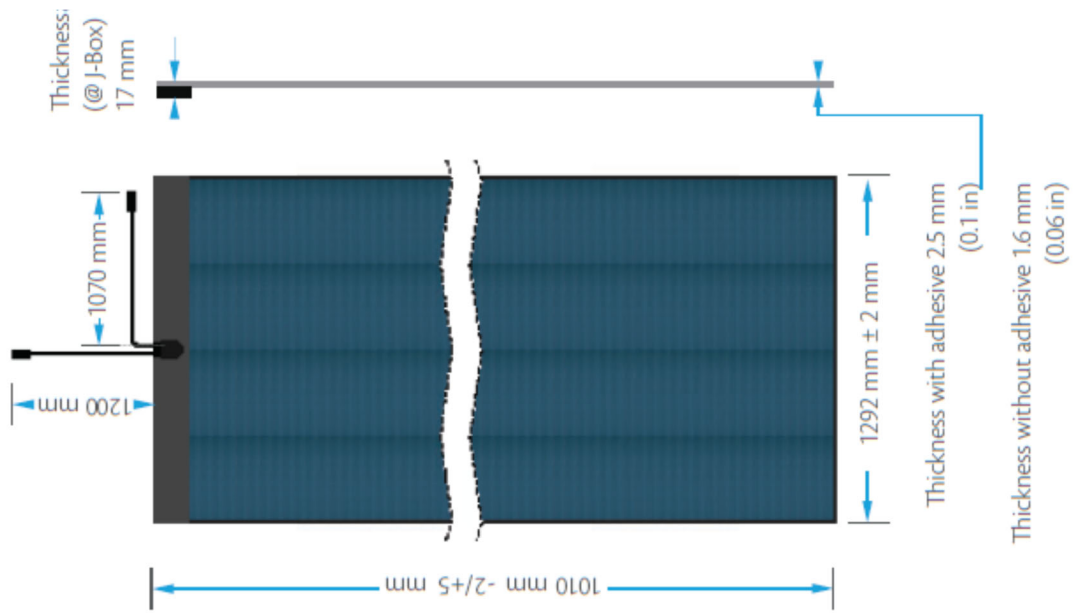
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FLEX-03NL

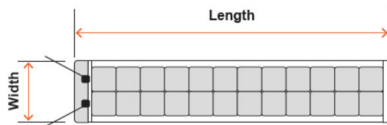


FLEX-03W

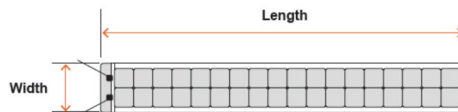


FLEX-03WS

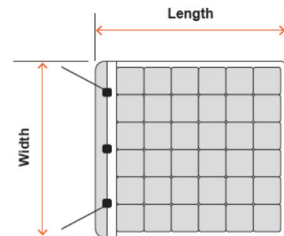
ARTEZANOS® FLEXIBLE C-SI PV



FX24L



FX36L



FX36S

LIMITATIONS:

1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire rating of this product.
2. Always handle and install ArteZanos® Flexible Solar PV according to the Installation Manual and the NOA, using the methods, tools and materials shown within these documents.
3. The installation ArteZanos® Flexible Solar PV system described within this Notice of Acceptance document shall be installed by a qualified solar integrator and/or licensed roofing contractor holding an applicator's certificate from ArteZanos® Inc.. A copy of qualified solar integrator and/or licensed roofing contractor's certification shall be provided to the building official during the application for a building permit. Submission of these documents as well as the proper application and installation of all materials shall be the sole responsibility of the contractor.
4. The electrical installation of the ArteZanos® Flexible PV Modules described within this Notice of Acceptance document shall be installed by a qualified solar integrator and/or licensed electrical contractor.
5. All projects have to be reviewed and approved by ArteZanos® Inc. before installation begins. Any defects in the roofing substrates shall be corrected by the contractor.
6. Any installation defect is the sole responsibility of the contractor. ArteZanos® Inc. shall not be held liable for any defects resulted from poor workmanship of the installation.
7. ArteZanos® Flexible PV Modules shall be installed on clean and dry surface. Substrate should not be chalky and surface shall be cleaned prior to application as per manufacturer recommendation.
8. ArteZanos® Flexible PV Modules must not be immersed in water or exposed to constant water spray (e.g., from fountains).
9. When integrating ArteZanos® Flexible PV Modules to Standing Seam metal pans, they shall be flat between standing seam ribs and shall not have pencil beads or stiffening ribs with rising or falling slopes greater than 10 degrees as per manufacturer recommendation.
10. ArteZanos® Flexible Solar PV shall not be applied in inclement weather conditions.
11. ArteZanos® Flexible Solar PV shall be properly labeled for manufacturing traceability.
12. All electrical components and wiring installations shall be in compliance with applicable Building Codes.
13. ArteZanos® Flexible Solar PV shall not be installed in areas where drains or roof penetrations exist.
14. ArteZanos® Flexible PV Modules shall not be installed in areas where drains or roof penetrations exist unless separated by adjacent roof tile as per manufacturer.
15. All limitations and maximum design pressure ratings of the roof system the ArteZanos® Flexible Solar PV is applied onto shall apply.
16. All products listed herein shall have an unannounced follow-up quality control program from an approved listing agency. Follow up test results shall be made available to Miami-Dade Product Control upon request.
17. Change in materials, use, or manufacture of any of the products listed herein shall be cause for termination of this Notice of Acceptance.
18. ArteZanos® Flexible PV Modules shall be applied in strict compliance with this NOA approval and with all manufacturers' published application instructions in accordance with all limitations specified herein.
19. ArteZanos® Flexible PV Modules may be used with any approved metal substrate roof covering Notice of Acceptance. And may be used on other substrates as a component part of an assembly in the Notice of Acceptance. If ArteZanos® Flexible PV Modules are not listed: a request may be made to the Authority Having Jurisdiction (AHJ) or Miami-Dade County Product Control for approval provided that appropriate documentation is provided to detail compatibility of the products, wind uplift resistance, and fire testing results.

20. ArteZanos®® Flexible PV Modules **Do Not Require Ground Wires** and are Non-Groundable and Non-Bondable Modules that do not have exposed metallic components (frameless).
21. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.
22. All approved products listed herein shall bear the imprint or identifiable marking of the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below.



END OF THIS ACCEPTANCE

