



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

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

Palram Americas, Inc.
9735 Commerce Circle
Kutztown, PA 19530

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.

DESCRIPTION: Corrugated and Flat Polycarbonate Panels

APPROVAL DOCUMENT: Drawing No. **23-108**, titled "Polycarbonate Panels Flat and Corrugated Panels", sheet 1 of 1, dated 07/12/2023, prepared by PPMF Inc., signed and sealed by Pedro M. De Figueiredo, P.E., on 07/12/2023 bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/ series, 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 **revises** NOA #**20-0828.02** and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



Helmy A. Makar
10/12/2023

NOA No. 23-0815.21
Expiration Date: 01/22/2026
Approval Date: 10/12/2023
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOAs

A. DRAWINGS “Submitted under NOA # 15-1207.07”

1. Drawing No. **KC15-0805**, titled “Polycarbonate Panel”, sheet 1 of 1, dated 10/19/2015, prepared by Knezevich Consulting, LLC, signed and sealed by John W. Knezevich, P.E.

B. TESTS “Submitted under NOA # 00-1226.02 & 05-0907.03”

	Laboratory	Test	Date	Signature
1.	SGS 369159-4	ASTM E 84	08/22/05	J. Lomash
2.	SGS 170558-7	ASTM E 84	09/23/02	G. Banasky
3.	SGS 170558-2	ASTM E 84	09/23/02	G. Banasky
4.	SGS 170558-10	ASTM D 635	09/23/02	G. Banasky
5.	SGS 170558-12	ASTM D 635	09/23/02	G. Banasky
6.	SGS 369159-1	ASTM D 635	08/22/05	J. Lomash
7.	SGS 155380-10	ASTM D 1929	05/29/01	D. Lepore
8.	SGS 528768	ASTM D 1929	02/06/06	J. Lomash
9.	Celotex MTS # 258188A	ASTM D 1929	07/28/97	R.G. Miller, P.E.
10.	Celotex MTS # 258188B	ASTM D 635	07/28/97	R.G. Miller, P.E.
11.	Celotex MTS # 258188C	ASTM E 84	07/18/97	R.G. Miller, P.E.
12.	Celotex MTS # 257933	ASTM D 638 & G26	09/12/97	R.G. Miller, P.E.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

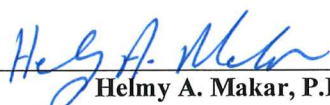
1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS “Submitted under NOA # 15-1207.07”

1. Statement letter of code conformance to the 5th edition (2014) FBC issued by Knezevich Consulting, LLC, dated 11/30/2015, signed and sealed by John W. Knezevich, P.E.
2. Statement letter of no financial interest issued by Knezevich Consulting, LLC, dated 11/30/2015, signed and sealed by John W. Knezevich, P.E.
3. Standards’ equivalency letter issued by Knezevich Consulting, LLC, dated 11/30/2015, signed and sealed by John W. Knezevich, P.E.



Helmy A. Makar, P.E.
Product Control Section Supervisor
NOA No. 23-0815.21
Expiration Date: 01/22/2026
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Palram Americas, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED UNDER NOA # 18-0328.02

A. DRAWINGS

1. Drawing No. **KC18-0218**, titled "Polycarbonate Panel", sheet 1 of 1, dated 10/19/2015, with revision **0** dated 03/26/2018, prepared by Knezevich Consulting, LLC, signed and sealed by John W. Knezevich, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to the 6th Edition (2017) FBC issued by Knezevich Consulting, LLC, dated 03/26/2018, signed and sealed by John W. Knezevich, P.E.



Helmy A. Makar, P.E.
Product Control Section Supervisor
NOA No. 23-0815.21
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Palram Americas, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. EVIDENCE SUBMITTED UNDER NOA # 20-0828.02

A. DRAWINGS

1. Drawing No. **20-096**, titled "Polycarbonate Panels", sheet 1 of 1, dated 08/02/2020, prepared by Engco Inc., signed and sealed by John Pedro M. De Figueiredo, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Drawing No. **20-096** code conformance statement to the 7th Edition (2020) of the FBC issued by Engco Inc., dated 08/02/2020, signed and sealed by John Pedro M. De Figueiredo, P.E.

4. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. **23-108**, titled "Polycarbonate Panels Flat and Corrugated Panels", sheet 1 of 1, dated 07/12/2023, prepared by PPMF Inc., signed and sealed by Pedro M. De Figueiredo, P.E., on 07/12/2023.*

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

- Drawing No. **23-108** code conformance statement to the 7th Edition (2020) and the 8th Edition of the FBC issued by PPMF Inc., dated 07/12/2023, signed and sealed by Pedro M. De Figueiredo, P.E.



Helmy A. Makar, P.E.
Product Control Section Supervisor
NOA No. 23-0815.21
Expiration Date: 01/22/2026
Approval Date: 10/12/2023

GENERAL NOTES:

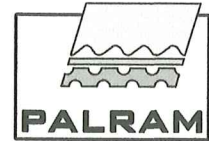
- 1- CODE: FLORIDA BUILDING CODE 2023 - 8TH EDITION - HVHZ.
- 2- POLYCARBONATE PANELS SHALL BE 0.8 MM (0.031") OR THICKER, SOLID CLEAR PANELS, FLAT OR CORRUGATED WITH NO SURFACE FINISH
- 3- THIS PRODUCT EVALUATION DOCUMENT ADDRESSES THE REQUIREMENTS OF THE POLYCARBONATE PANELS AS AN APPROVED PLASTIC. SPECIFIC USE OF THIS PANEL SHALL COMPLY WITH THE FBC. ANY EXTERIOR ENVELOPE USE SHALL REQUIRE A NOTICE OF ACCEPTANCE (NOA) ADDRESSING THE SPECIFIC USE.
- 4- TABLE 1 PROVIDES MATERIAL PROPERTIES AS REQUIRED TO COMPLY WITH CHAPTER 26 OF THE FLORIDA BUILDING CODE. REFERENCE SPECIFIC CODE REQUIREMENTS BASED ON THE USE TO EVALUATE MATERIAL COMPLIANCE.
- 5- TABLE 2 REFERENCES THE TENSILE TESTING ON CONTROLLED AND WEATHERED SPECIMENS PER ASTM D638. RESULTS ARE WITHIN $\pm 10\%$ IN ACCORDANCE WITH THE FBC SECTION 2615.2.2C AND MIAMI-DADE CHECKLIST #0445.
- 6- THE FOLLOWING PRODUCT TRADE NAMES ARE USED TO DESCRIBE THIS MATERIAL:
SUNTUF, SUNSKY, DYNAGLAS, PALTUF AND PALSUN

TABLE 1

TRADE NAME	MATERIAL THICKNESS	FORMAT	TEST DESIGNATION	TEST PARAMETER	TEST RESULTS
SUNTUF/SUNSKY/DYNAGLAS	0.8 mm (0.031")	CORRUGATED	ASTM E84	FLAME SPREAD INDEX	10
				SMOKE DEVELOPED VALUE	130
PALTUF/PALSUN	3 mm (0.118")	FLAT	ASTM E84	FLAME SPREAD INDEX	60
				SMOKE DENSITY	<450
PALTUF/PALSUN	12 mm (0.472")	FLAT	ASTM E84	FLAME SPREAD INDEX	45
				SMOKE DENSITY	<450
SUNTUF/SUNSKY/DYNAGLAS	0.8 mm (0.031")	CORRUGATED	ASTM D635	AVERAGE BURNING TIME	155 SEC
				AVERAGE BURNING LENGTH	69.3 mm
				BURN RATE	28.0 mm/min.
PALTUF/PALSUN	3 mm (0.118")	FLAT	ASTM D635	AVERAGE BURNING TIME	8.4 SEC
				AVERAGE BURNING LENGTH	21.9 mm
PALTUF/PALSUN	12 mm (0.472")	FLAT	ASTM D635	AVERAGE BURNING TIME	12.8 SEC
				AVERAGE BURNING LENGTH	10.3 mm
SUNTUF/SUNSKY/DYNAGLAS / PALTUF/PALSUN	0.8 mm (0.031")	FLAT	ASTM D1929	SELF IGNITION TEMPERATURE	1.162 °F
				FLASH IGNITION TEMPERATURE	982 °F

TABLE 2 - AVERAGE YIELD TENSILE STRENGTH PER ASTM D-638

PLASTIC SPECIMEN	WEATHERING (PSI)		VAR. ≤10%
	BEFORE	AFTER	
0.8mm (0.031") CLEAR CORRUGATED	9240	9270	0.3%
0.8mm (0.031") CLEAR FLAT	9710	8940	7.9%
3.0mm (0.0118") CLEAR FLAT	9660	9090	5.9%



MANUFACTURER:
PALRAM AMERICAS, INC.
 9735 COMMERCE CIRCLE
 KUTZTOWN, PA 19530
 PHONE: (610) 285-9918
 PHONE: (800) 999-9459
 FAX: (610) 285-2859
 WWW.PALRAMAMERICAS.COM

PRODUCT:

**POLYCARBONATE
 PANELS**
 FLAT AND CORRUGATED PANELS
 IMPACT RATED

ENGINEERING:

PPMF INC. CA 32459
 9715 W. BROWARD BLVD. 247
 PLANTATION, FL. 33324
 PPMF@AOL.COM



MIAMI-DADE BCCO:

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No **23-0815.21**
 Expiration Date **01/22/2026**
 By *[Signature]*
 Miami Dade Product Control

DATE: 07/12/2023
 SCALE: NA
 DESIGN BY: PPMF

SHEET
 1 OF 1

DRAWING #:
 23-108