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

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
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NOTICE OF ACCEPTANCE (NOA)

IKO Industries, LTD.
40 Hansen Road South
Brampton, ON
L6W 3H4

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: IKO Innovi TPO Single-Ply Roofing Systems over Recover Decks

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 9.
The submitted documentation was reviewed by Alex Tigera.

09/04/25

ROOFING SYSTEM APPROVAL

Category:	Roofing
Sub-Category:	Single Ply
Material:	TPO
Deck Type:	Recover
Maximum Design Pressure	-90.0 psf

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

Product Name	Dimensions	Test Specifications	Product Description
IKO Innovi TPO	45mil, 60mil, 80mil	ASTM D6878	Highly reflective "Cool Roof" TPO membrane

APPROVED INSULATIONS:

TABLE 2

Product Name	Product Description	Manufacturer (With Current NOA)
IKOTherm-A	Polyisocyanurate Foam Insulation	IKO Industries Ltd.
IKOTherm-A III	Polyisocyanurate Foam Insulation	IKO Industries Ltd.
ACFoam-II	Polyisocyanurate Foam Insulation	Atlas Roofing Corporation
ACFoam-III	Polyisocyanurate Foam Insulation	Atlas Roofing Corporation
DensDeck Prime	Gypsum Core Board	Georgia-Pacific Gypsum LLC
SECUROCK Gypsum-Fiber Roof Board	Gypsum based board stock	USG Corporation

APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
1.	InnoviFast Insulation Fastener	Carbon steel screw with #3 Phillips drive, modified truss head.	#12 x 8" (max)	IKO Industries Ltd.
2.	InnoviFast Heavy Duty (HD) Fastener	Truss head carbon steel fastener.	#15 x 14" (max)	IKO Industries Ltd.
3.	InnoviFast Insulation Plate	Galvalume AZ50 stress plate.	3” dia. x .018"	IKO Industries Ltd.
4.	InnoviFast 2-3/8” HD Seam Plate	Galvalume AZ 50 steel, barbed plate.	2.37” dia. x .037"	IKO Industries Ltd.
5.	InnoviWeld TPO Induction Plate	G-90 Galvanized steel plate with TPO coating.	3” dia.	IKO Industries Ltd.
6.	TRUFAST #12 DP Fastener	Carbon steel screw with #3 Phillips drive, modified truss head.	#12 x 8" (max)	Altenloh, Brinck and Co., U.S., Inc
7.	TRUFAST 3” Metal Insulation Plate	Galvalume steel stress plate.	3" Round	Altenloh, Brinck and Co., U.S., Inc.
8.	Trufast TPO IW Plate	G-90 Galvanized steel plate with TPO coating.	3” dia.	Altenloh, Brinck and Co., U.S., Inc.
9.	Trufast #12 Purlin Fastener	Carbon steel, self-drilling fastener	#12 x 16” (max)	Altenloh, Brinck and Co., U.S., Inc.
10.	#12 Standard Roofgrip	Truss head, self-drilling, pinch point, high thread fastener.	#12 x 16” (max)	OMG, Inc.
11.	OMG 3-in. Galvalume Steel Plate (Flat)	Galvalume steel stress plate.	3" Round	OMG, Inc.
12.	Dekfast DF-#12-PH3	Truss head carbon steel fastener.	#12 x 8" (max)	SFS Group USA, Inc.
13.	Dekfast DF-#15-PH3	Truss head carbon steel fastener.	#15 x 14" (max)	SFS Group USA, Inc.
14.	Dekfast PLT-R-2-3/8-6B	Galvalume AZ 50 steel, barbed plate.	2.37” dia. x .037"	SFS Group USA, Inc.
15.	Dekfast PLT-R-3	Galvalume AZ 50 stress plate.	3” dia. x .018"	SFS Group USA, Inc.
16.	InnoviBond Membrane Adhesive SPR	Sprayable Adhesive.	Various	IKO Industries Ltd.

APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
17.	InnoviBond Membrane Adhesive	Roll applied Adhesive	Various	IKO Industries Ltd.
18.	InnoviBond Membrane Adhesive LVOC	Roll applied Adhesive	Various	IKO Industries Ltd.

EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Description	Date
NEMO ETC, LLC	2a-IKO-20-LSWUS-01.A	FM 4474/TAS 114 (J)	06/02/21
	2a-IKO-21-LSWUS-01.A-R1	FM 4474/TAS 114 (J)	07/27/22
Factory Mutual Research Corp.	PR456625	FM 4470	07/12/21
	PR459544	FM 4470	12/14/23

DECK STRESS ANALYSIS CALCULATIONS/REPORTS

Engineer/Agency	Identifier	Assemblies:	Date
Robert Nieminen, P.E.	Signed/Sealed Calculations	C(2), D(1)	12/27/24
FM Approval Deck Limitations	RoofNav Listing	C(1)	

APPROVED ASSEMBLIES

Membrane Type: Single Ply, TPO

Deck Type 7I: Recover, Insulated

Deck Description: Steel deck, Minimum 16 gauge thick to maximum 3/16 in. thick steel purlins spaced at a maximum 5 ft. o.c.: Minimum 1 in. thick (to maximum 12 in. thick)

System Type C(1): Membrane heat welded to fastener plates mechanically attaching insulation layer

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
Any approved Polyiso insulation listed in Table 2 Minimum 1" thick	**8 or 5 with 9**	**See Membrane**

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: Insulation layer shall be fastened through to the steel purlin with the fastener and plate listed above. The steel purlins are spaced at a maximum of 5 ft. o.c. and fasteners are spaced along the steel purlins at a maximum of 6 in. o.c.
IKO Innovi TPO roof cover is bonded to the Trufast TPO IW Plates plates using a Trufast Induction welding tool and Magnets. The minimum 2-1/2 in. wide roof cover side laps are sealed with minimum 1-1/2 in. wide heat weld on the outside edge of the lap.

Maximum Design Pressure: **-90 psf. (See General Limitation #9)**

Membrane Type: Single Ply, TPO

Deck Type 7I: Recover, Insulated

Deck Description: 22 ga., Type B, Grade 40 steel deck fastened to steel support at a maximum span of 6 ft. o.c. Steel deck shall be fastened with minimum Tek 5 screws at a maximum spacing of 6 in. o.c. Side laps shall be fastened with Tek 1 screws at a maximum spacing of 24 in. o.c. *The deck shall record a Minimum Characteristic Resistance Force (MCRF) of 270 lbf when tested with fasteners, listed in this assembly, installed through to the deck in accordance with TAS 105.

This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submittted Table.

System Type C(2): All layers of insulation simultaneously attached; membrane fully adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
IKOTherm-A, IKOTherm-A III, ACFoam-II, ACFoam-III Minimum 1.5" thick	**N/A**	**N/A**
Middle Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
IKOTherm-A, IKOTherm-A III, ACFoam-II, ACFoam-III Minimum 1.5" thick	**N/A**	**N/A**
Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
DensDeck Prime, SECUROCK Gypsum Fiber Roof Board Minimum ½" thick	**7 with 6, 15 with 12, 3 with 1, 11 with 10**	**1:2 ft²**

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: Min. 45 mil IKO Innovi TPO, adhered with InnoviBond Membrane Adhesive at a rate of 0.83 to 1.0 gal./square on both the bottom side of the roof cover and top side of the substrate for a total of 1.67 to 2.0 gal./square.
Or
Min. 45 mil IKO Innovi TPO, adhered with InnoviBond Membrane Adhesive SPR at 0.21 to 0.24 gal/square for a total of 0.41 to 0.47 gal/square.

Maximum Design Pressure: **–60 psf. (See General Limitation #7)**

Membrane Type: Single Ply, TPO

Deck Type 2I: Recover, Insulated

Deck Description: 22 ga., Type B, Grade 80 steel deck fastened to steel support at a maximum span of 6 ft. o.c. Steel deck shall be fastened with minimum #12 HWH Tek 5 screws with ¾ in. washers at a maximum spacing of 6 in. o.c. Side laps shall be fastened with #10 HWH Tek 1 screws at a maximum spacing of 18 in. o.c. *The deck shall record a Minimum Characteristic Resistance Force (MCRF) of 360 lbf when tested with fasteners, listed in this assembly, installed through to the deck in accordance with TAS 105.

This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submittted Table.

System Type D(1): Base layer of insulation preliminarily attached; top layer mechanically attached.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
IKOTherm-A, IKOTherm-A III, ACFoam-II, ACFoam-III Minimum 1.5" thick	**N/A**	**N/A**

Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
IKOTherm-A III, ACFoam-III Minimum 1.5" thick	**7 with 6, 15 with 12, 3 with 1, 11 with 10**	**1:4 ft^2**

Note: All layers of insulation and base sheet shall be simultaneously attached. Refer to Roofing Application Standard RAS 117 for insulation attachment requirements. Insulation shall have preliminary attachment, prior to the installation of the roofing membrane. See base sheet below for fasteners and density.

Membrane: IKO Innovi TPO, secured through the fastened insulation as specified below.

Fastening: InnoviFast Heavy Duty (HD) Fasteners with InnoviFast 2-3/8" HD Seam Plate, or Dekfast DF-#15-PH3 with Dekfast PLT-R-2-3/8-6B, 6-in. o.c. within 6-in. wide laps spaced 114 in. o.c. Laps sealed with 1.5-in. heat weld.

Maximum Design Pressure: **–45 psf. (See General Limitation #9)**

RECOVER SYSTEM LIMITATIONS:

1. All System Limitations and General Limitations shall apply. See specific deck type Notice of Acceptance for deck type System Limitations.
2. All assemblies listed herein shall be installed in compliance with the applicable sections of FBC 1521. Uplift performance of assemblies bonded to existing roofing system shall be verified per 1521.10. Uplift performance of assemblies mechanically attached through existing roofing sysem shall be verified per 1521.11.

GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance, refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. Insulation may be installed in multiple layers. The first layer shall be attached in compliance with Product Control Approval guidelines. All other layers shall be adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq., or mechanically attached using the fastening pattern of the top layer
3. All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt, panel size shall be 4' x 4' maximum.
4. An overlay and/or recovery board insulation panel is required on all applications over closed cell foam insulations when the base sheet is fully mopped. If no recovery board is used the base sheet shall be applied using spot mopping with approved asphalt, 12" diameter circles, 24" o.c.; or strip mopped 8" ribbons in three rows, one at each sidelap and one down the center of the sheet allowing a continuous area of ventilation. Encircling of the strips is not acceptable. A 6" break shall be placed every 12' in each ribbon to allow cross ventilation. Asphalt application of either system shall be at a minimum rate of 12 lbs./sq. **Note: Spot attached systems shall be limited to a maximum design pressure of -45 psf.**
5. Fastener spacing for insulation attachment is based on a Minimum Characteristic Force (F') value of 275 lbf., as tested in compliance with Testing Application Standard TAS 105. If the fastener value, as field-tested, are below 275 lbf. insulation attachment shall not be acceptable.
6. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida Registered Engineer, Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Application Standard RAS 117.
7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117 and/or RAS 137. Calculations prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant **(When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)**
8. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform with Roofing Application Standard RAS 111 and applicable wind load requirements.
9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners). **(When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)**
10. All membranes or packaging shall bear the imprint or identifiable marking of the manufacturer's name or logo and the following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below.

MIAMI-DADE COUNTY APPROVED

11. 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.

END OF THIS ACCEPTANCE