



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)

KST Coatings, A Business Unit of the Sherwin Williams Company
101 W. Prospect Ave.
Cleveland, OH 44115

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: Uniflex Liquid Applied Roof System over Recover Deck

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 11.

The submitted documentation was reviewed by Gaspar J Rodriguez.



NOA No.: 14-0826.06
Expiration Date: 10/06/21
Approval Date: 10/06/16
Page 1 of 11

ROOFING SYSTEM APPROVAL

Category: Roofing
Sub-Category: Liquid Applied Roof Systems
Material: Elastomeric
Deck Type: Recover
Maximum Design Pressure: See specified assemblies herein

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

<u>Product</u>	<u>Dimensions/ Container Sizes</u>	<u>Test Specification</u>	<u>Product Description</u>
Uniflex Premium Elastomeric Base Coat Gray 41-320	5, 55, 275 gallons	ASTM D6083	Acrylic elastomeric coating
Uniflex MB Base Coat White 41-510	5, 55, 275 gallons	ASTM D6083	Acrylic elastomeric base coat
Uniflex MB Base Coat Gray 41-512	5, 55, 275 gallons	ASTM D6083	Acrylic elastomeric base coat
Uniflex SPE Base Coat Gray 41-321	5, 55 gallons	ASTM D6083	Acrylic elastomeric base coat
Uniflex Non-Fibered Asphalt Emulsion 40-314	5, 55 gallons	Proprietary	Non-fibered asphalt emulsion base
Uniflex Premium Elastomeric Finish Coat White 41-300	5, 55, 275 gallons	ASTM D6083	Acrylic elastomeric coating
Uniflex Polyester Fabric 20-385	324' long rolls of various widths	Proprietary	Non-woven polyester reinforcing fabric.
Uniflex Acrylic Concrete Primer 36-500	5 gallons	Proprietary	Acrylic primer used for concrete surfaces.



APPROVED INSULATIONS:

Product Name	TABLE 2 Product Description	Manufacturer (With Current NOA)
SECUROCK Gypsum-Fiber Roof Board EnergyGuard Polyiso	Gypsum board Insulation board	USG Corp. GAF

APPROVED FASTENERS:

Fastener #	Product	TABLE 3 Description	Dimensions	Manufacturer (With current NOA)
1.	#12 Standard Roofgrip	Coated carbon steel fastener	Various	OMG, Inc.
2.	3 in. Round Metal Plates	Galvalume steel stress plates	3" round	OMG, Inc.
3.	OMG Heavy Duty	Self-drilling, #14 fasteners	Various	OMG, Inc.
4.	OMG Plastic Plate	High density polypropylene stress plates	3" round	OMG, Inc.
5.	Dekfast 14 fasteners	Carbon steel fasteners	Various	SFS Intec, Inc.
6.	Isofast IFC/IW-70x70	Glavalume insulation and membrane stress plate	2¾" x 2¾"	SFS Intec, Inc.

EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Test Name/Report	Date
Underwriter Laboratories	R12209	Fire Classification	05/21/14
FM Approvals	3043145	FM 4470	03/12/14
PRI Construction Materials Technologies, LLC	KSTC-007-02-01	ASTM D 6083	02/09/09
Trinity ERD	KST-SC6350.11.14	FM 4474 & TAS 114	11/04/14
	SC6600.01.15-1	ASTM D6083	01/29/15
	KST-SC9330.01.16-1	ASTM D6083	01/21/16
	KST-SC9330.01.16-3	ASTM D6083	01/21/16
	KST-SC9330.05.16	ASTM D6083	05/02/16
RCMA Americas, Inc.	SX01B6B	ASTM D6083	02/25/16



APPROVED ASSEMBLIES:

Membrane Type:	Liquid Applied Membrane
Deck Type 7I:	Recover, Insulated
Deck Description:	Structural Concrete or Min. 22 ga, Type B, ASTM A653, Grade 33 steel deck secured to ¼" thick structural supports spaced 72" o.c. using Traxx/5 screws spaced 6" o.c. Side laps are secured with Traxx/1 screws spaced 24" o.c.
System Type C(1):	All layers of insulation mechanically fastened to roof deck over existing roof covering system, followed by Uniflex roof system.

All General and System Limitations apply.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft ²
SECUROCK Gypsum-Fiber Roof Board Minimum 1/2" thick	1 with 2	1.3

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The insulation panels listed are minimum sized and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density.

Primer:

Base Coat: Apply Uniflex Premium Elastomeric Base Coat Gray 41-320 at 1-2 gal./sq. followed by Uniflex Polyester Fabric 20-385 with 3" overlaps and allowed to cure.

Intermediate Coat: Apply Uniflex Premium Elastomeric Base Coat Gray 41-320 at 1-2 gal./sq. and allowed to cure.

Top Coat: Apply Uniflex Premium Elastomeric Finish Coat White 41-300 or Uniflex Premium Elastomeric Base Coat Gray 41-320 applied at 1-2 gal./sq.

Maximum Design

Pressure: -67.5 psf. (See General Limitation #7)



Membrane Type: Liquid Applied Membrane
Deck Type 7I: Recover, Insulated
Deck Description: Min. 22 ga., Type B, Grade 40 steel deck fastened to structural supports spaced 6' o.c.
 *The deck shall record a Minimum Characteristic Resistance Force (MCRF) of 300 lbf when tested with fasteners listed in this assembly, installed through to the deck in accordance with TAS 105.

System Type C(2): All layers of insulation mechanically fastened to roof deck over existing roof, followed by Uniflex roof system.

All General and System Limitations apply.

Substrate: Existing smooth surfaced BUR or granule surfaced SBS modified bitumen roof system.

Preparation: Substrate shall be clean, free of loose dirt, dry prior to application of Uniflex fluid applied roof system. All surface preparations shall be in compliance with the manufacturer's published preparation requirements.

Base Insulation Layer (Optional)	Insulation Fasteners (Table 3)	Fastener Density/ft ²
EnergyGuard Polyiso Minimum 1" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft ²
SECUROCK Gypsum-Fiber Roof Board Minimum 1/2" thick	1 with 2	2.0

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The insulation panels listed are minimum sized and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density.

Base Coat: Apply Uniflex Premium Elastomeric Base Coat Gray 41-320 at 1-2 gal./sq. followed by Uniflex Polyester Fabric 20-385 with 3" overlaps and covered with a saturation coat of Uniflex Premium Elastomeric Base Coat Gray 41-320 at 1-2 gal./sq. and allowed to cure.

Top Coat: Apply Uniflex Premium Elastomeric Finish Coat White 41-300 or Uniflex Premium Elastomeric Base Coat Gray 41-320 applied at 1-2 gal./sq.

Maximum Design Pressure: -75 psf. (See General Limitation #7)



Membrane Type: Liquid Applied Membrane
Deck Type 7: Recover, Non-insulated
Deck Description: Structural Concrete
System Type F(1): Uniflex roof system applied directly to existing roof.

All General and System Limitations apply.

Substrate: Existing smooth surfaced BUR or granule surfaced SBS modified bitumen roof system.
Preparation: Substrate shall be clean, free of loose dirt, dry prior to application of Uniflex fluid applied roof system. All surface preparations shall be in compliance with the manufacturer's published preparation requirements.
Base Coat: Apply Uniflex MB Base Coat White 41-510 or Uniflex MB Base Coat Gray 41-512 at 1-2 gal./sq. followed by Uniflex Polyester Fabric 20-385 with 3" overlaps and covered with a saturation coat of Uniflex MB Base Coat White 41-510 or Uniflex MB Base Coat Gray 41-512 at 1-2 gal./sq. and allowed to cure.
Intermediate Coat: Apply Uniflex MB Base Coat White 41-510 or Uniflex MB Base Coat Gray 41-512 at 1-2 gal./sq. and allowed to cure.
Top Coat: Apply Uniflex Premium Elastomeric Finish Coat White 41-300 or Uniflex Premium Elastomeric Base Coat Gray 41-320 applied at 1-2 gal./sq.
Maximum Design Pressure: -455 psf. (See General Limitations #9)

Membrane Type: Liquid Applied Membrane
Deck Type 7: Recover, Non-insulated
Deck Description: Structural Concrete
System Type F(2): Uniflex roof system applied directly to existing roof.

All General and System Limitations apply.

Substrate: Existing smooth surfaced BUR roof system.
Preparation: Substrate shall be clean, free of loose dirt, dry prior to application of Uniflex fluid applied roof system. All surface preparations shall be in compliance with the manufacturer's published preparation requirements.
Base Coat: Apply Uniflex Non-Fibered Asphalt Emulsion 40-314 at 2-4 gal./sq. followed by Uniflex Polyester Fabric 20-385 with 3" overlaps and covered with a saturation coat of Uniflex Non-Fibered Asphalt Emulsion 40-314 at 2-4 gal./sq. and allowed to cure.
Intermediate Coat: Apply Uniflex MB Base Coat White 41-510 or Uniflex MB Base Coat Gray 41-512 at 1-2 gal./sq. and allowed to cure.
Top Coat: Apply Uniflex Premium Elastomeric Finish Coat White 41-300 or Uniflex Premium Elastomeric Base Coat Gray 41-320 applied at 1-2 gal./sq.
Maximum Design Pressure: -455 psf. (See General Limitations #9)



Membrane Type: Liquid Applied Membrane
Deck Type 7: Recover, Non-insulated
Deck Description: Structural Concrete
System Type F(3): Uniflex roof system applied directly to existing roof.

All General and System Limitations apply.

Substrate: Existing EPDM single-ply, Hypalon single-ply, TPO single-ply or PVC single-ply roof system.

Preparation: Substrate shall be clean, free of loose dirt, dry prior to application of Uniflex fluid applied roof system. All surface preparations shall be in compliance with the manufacturer's published preparation requirements.

Base Coat: Apply Uniflex SPE Base Coat Gray 41-321 at 1-2 gal./sq. followed by Uniflex Polyester Fabric 20-385 with 3" overlaps and covered with a saturation coat of Uniflex SPE Base Coat Gray 41-321 at 1-2 gal./sq. and allowed to cure prior to application of top coat.

Top Coat: Apply Uniflex Premium Elastomeric Finish Coat White 41-300 or Uniflex Premium Elastomeric Base Coat Gray 41-320 applied at 1-2 gal./sq.

Maximum Design Pressure: -455 psf. (See General Limitations #9)



Membrane Type: Liquid Applied Membrane

Deck Type 7: Recover, Non-insulated

Deck Description: Min. 22 ga., Type B, Grade 40 steel deck fastened to structural supports spaced 6' 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.

System Type F(4): Mechanically attach existing roof, followed by Uniflex roof system.

All General and System Limitations apply.

Substrate: Existing, insulated non-reinforced or reinforced EPDM single-ply, PVC single-ply, TPO single-ply, Hypalon single-ply roof cover.

Preparation Substrate shall be clean and free of all dirt and debris prior to application of Uniflex Bond-It Wash Primer, applied at 400-500 ft²/gallon, followed by a minimum 2,000 psi high pressure rinse. All surface preparations shall be in compliance with the manufacturer's published preparation requirements.

Attachment: Apply 12 x 12 inch sections of Uniflex SPE Base Coat Gray 41-321 | Uniflex Polyester Fabric 20-385 | Uniflex SPE Base Coat Gray 41-321 per the attachment grid pattern noted below. OMG Heavy Duty fasteners and OMG Plastic Plates or SFS Dekfast 14 fasteners with Isofast IFC/IW-70x70 plates are installed at center of each 12 x 12 inch section.

Base Coat: Apply Uniflex SPE Base Coat Gray 41-321 at 1-2 gal./sq. followed by Uniflex Polyester Fabric 20-385 with 3" overlaps and covered with a saturation coat of Uniflex SPE Base Coat Gray 41-321 at 1-2 gal./sq. and allowed to cure prior to application of top coat.

Top Coat: Apply Uniflex Premium Elastomeric Finish Coat White 41-300 or Uniflex Premium Elastomeric Base Coat Gray 41-320 applied at 1-2 gal./sq.

Maximum Design Pressure:

<u>Grid Pattern</u>	<u>Density</u>	<u>Maximum Design Pressure</u>
18 x 18 inch grid	1 per 2.25 ft ²	-60.0 psf (See General Limitation #7)



Membrane Type: Liquid Applied Membrane

Deck Type 7: Recover, Non-insulated

Deck Description: Min. 22 ga., Type B, Grade 40 steel deck fastened to structural supports spaced 6' 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.

System Type F(5): Mechanically attach existing roof, followed by Uniflex roof system.

All General and System Limitations apply.

Substrate: Existing, insulated, two-ply SBS modified bitumen roof cover.

Preparation Substrate shall be clean and free of all dirt and debris prior to application of Uniflex Bond-It Wash Primer, applied at 400-500 ft²/gallon, followed by a minimum 2,000 psi high pressure rinse. All surface preparations shall be in compliance with the manufacturer's published preparation requirements.

Attachment: Apply 12 x 12 inch sections of Uniflex MB Base Coat White 41-510 or Uniflex MB Base Coat Gray 41-512 | Uniflex Polyester Fabric 20-385 | Uniflex MB Base Coat White 41-510 or Uniflex MB Base Coat Gray 41-512 per the attachment grid pattern noted below. OMG Heavy Duty fasteners and OMG Plastic Plates or SFS Dekfast 14 fasteners with Isofast IFC/IW-70x70 plates are installed at center of each 12 x 12 inch section.

Base Coat: Apply Uniflex MB Base Coat White 41-510 or Uniflex MB Base Coat Gray 41-512 at 1-2 gal./sq. followed by Uniflex Polyester Fabric 20-385 with 3" overlaps and covered with a saturation coat of Uniflex MB Base Coat White 41-510 or Uniflex MB Base Coat Gray 41-512 at 1-2 gal./sq. and allowed to cure.

Top Coat: Apply Uniflex Premium Elastomeric Finish Coat White 41-300 or Uniflex Premium Elastomeric Base Coat Gray 41-320 applied at 1-2 gal./sq.

Maximum Design Pressure:	<u>Grid Pattern</u>	<u>Density</u>	<u>Maximum Design Pressure</u>
	18 x 18 inch grid	1 per 2.25 ft ²	-60.0 psf (See General Limitation #7)



Membrane Type: Liquid Applied Membrane

Deck Type 7: Recover, Non-insulated

Deck Description: Min. 22 ga., Type B, Grade 40 steel deck fastened to structural supports spaced 6' 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.

System Type F(6): Mechanically attach existing roof, followed by Uniflex roof system.

All General and System Limitations apply.

Substrate: Existing, insulated, three-ply BUR roof cover.

Preparation Substrate shall be clean and free of all dirt and debris prior to application of Uniflex Bond-It Wash Primer, applied at 400-500 ft²/gallon, followed by a minimum 2,000 psi high pressure rinse. All surface preparations shall be in compliance with the manufacturer's published preparation requirements.

Attachment: Apply 12 x 12 inch sections of Uniflex Non-Fibered Asphalt Emulsion 40-314 | Uniflex Polyester Fabric 20-385 | Uniflex Non-Fibered Asphalt Emulsion 40-314 per the attachment grid pattern noted below. OMG Heavy Duty fasteners and OMG Plastic Plates or SFS Dekfast 14 fasteners with Isofast IFC/IW-70x70 plates are installed at center of each 12 x 12 inch section.

Base Coat: Apply Uniflex Non-Fibered Asphalt Emulsion 40-314 at 2-4 gal./sq. followed by Uniflex Polyester Fabric 20-385 with 3" overlaps and covered with a saturation coat of Uniflex Non-Fibered Asphalt Emulsion 40-314 at 2-4 gal./sq. and allowed to cure.

Intermediate Coat: Apply Uniflex MB Base Coat White 41-510 or Uniflex MB Base Coat Gray 41-512 at 1-2 gal./sq. and allowed to cure.

Top Coat: Apply Uniflex Premium Elastomeric Finish Coat White 41-300 or Uniflex Premium Elastomeric Base Coat Gray 41-320 applied at 1-2 gal./sq.

Maximum Design Pressure:	<u>Grid Pattern</u>	<u>Density</u>	<u>Maximum Design Pressure</u>
	18 x 18 inch grid	1 per 2.25 ft ²	-60.0 psf (See General Limitation #7)



RECOVER SYSTEM LIMITATIONS:

1. All System Limitations and General Limitations shall apply. See specific deck type Notice of Acceptance for deck type System Limitations.

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 side lap 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 Professional Engineer, Registered 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. 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 to 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 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

