

Reference Pages



UNIFLEX®
Fluid Applied Roofing Systems

PACKAGED COLORS



White



Black



Gray



Sedona Tan

Printed color representation may vary slightly from actual paint color. For truest color representation, refer to in-store features.





RUBBERIZED SILICONE ROOF COATING 44-300 WHITE



PRODUCT DESCRIPTION

Uniflex® Silicone44™ Rubberized Silicone White Roof Coating is a premium silicone rubber roof ideal for ponding water.

GENERAL USES

Metal, single ply, smooth BUR, APP, SBS, modified bitumen, polyurethane foam, cured concrete, existing asphaltic and elastomeric roof coatings and other approved surfaces.

NOT for use on roof shingles.

EPDM rubber roofs must be rinsed with KST Bond-It designed for EPDM roofs. An adhesion peel test must be performed to ensure proper adhesion prior to application. Other roof substrates including TPO, PVC, metal or asphalt may require primer before application. All Mod Bit and Asphalt surfaces must be aged and no substances present that can bleed through and cause discoloring. All single ply such as TPO, PVC and EPDM must be aged to ensure proper adhesion.

PACKAGING INFORMATION

SKU

KST044300-27
KST044300-20

55-gallon drum
5-gallon pail

PRODUCT CHARACTERISTICS

Color	White
Vehicle Base	100% Silicone
Weight per Gallon	11.05 +/- .5 lbs
Solid by Weight	95%
Solid by Volume	95%
Viscosity (ASTM D 562)	7,098 cps
Dry Film Thickness (@ 5 Gallons 250 sq./ft.)	30 mils
Dry Time	
Rain Safe	60 minutes
Exposure	4-6 hours
Between coats	6 hours minimum
Full cure @ 70 °F, 50% relative humidity	72 hours
<i>Drying Time is temperature, humidity and film thickness dependent</i>	
VOC	< 50 g/L
pH @ 77 °F	8.0
Flash Point	>247 °F
Clean Up	Virgin Mineral Spirits or Naptha

PERFORMANCE CHARACTERISTICS

Elongation	315%
Tensile Strength	250 psi
Tear Resistance (ASTM D 624)	25 lbs/linear feet
Permeance (ASTM E 96 Procedure BW)	7.2 US perms
Solar Reflectance Index	110
Reflectivity	0.90
Thermal Emissivity	0.90

SURFACE PREPARATION

All surfaces should be clean and dry. Application to a wet or damp surface will compromise adhesion. Treat rust with proper primer. If mildew is present, surfaces should be cleaned with a proper bleach solution (one part bleach to 2 parts water). It is necessary to pressure wash all surfaces (using a wide spray tip, minimum 2000 psi) before applying this roof coating. A pull test sample should be done on all roofs to verify proper long term adhesion. Asphalt-bleed blocking primer is recommended over asphalt substrates to limit staining and discoloration. Repair cracks and damaged areas with Uniflex SILICONE44 Rubberized Silicone Roof and Flashing Sealant. Allow all sealants and primers to fully cure per manufacturer directions prior to top coating.

PRECAUTIONS: For exterior use only. Protect building inlets from product vapors or fumes. DO NOT allow product to freeze. Protective clothing, gloves and eyewear should be used during application of these products. When transporting this product, ensure that lid is tight and pail secure and upright. DO NOT allow pail to tumble as this may cause lid to loosen and leakage to occur. Do not transport on passenger seats or inside the passenger compartment of any vehicle. Store product in the cargo area of vehicle, and secure over protective cloths to prevent damage due to accidental spills. For longest life, store in controlled environment, 45°F- 80°F. Avoid continual storage in direct sunlight or at temperatures above 99 °F. Seal container when not in use. Do not walk on coating until fully cured. The contents of this container are reactive with moisture in the air. Curing starts immediately upon opening and opened product cannot be returned. Use all contents within one day of opening. DO NOT reuse empty containers.

Ponding water creates excessive weight on roofs and may compromise structural integrity leading to a potential collapse hazard. Always follow the National Roofing Contractors Association guidelines to remove ponding water from roof surfaces. **SLIP WARNING:** Use extreme caution when walking or working on silicone coated surfaces, and apply traction promoting particles in coating if needed for walkway areas. If there will be foot traffic on roof after installation (and cured), embed 40 - 60 lbs. of #11 ceramic granules per 100 sq ft into top layer of coating to create a non-skid finish. Surfaces without granules are slippery when damp or wet. Use OSHA approved fall protection when on roof surfaces



RUBBERIZED SILICONE ROOF COATING 44-300 WHITE



APPLICATION CONDITIONS

Ideal application is when surface and air temperatures are between 45 °F and 99 °F. Do not apply to roofs when air temperatures exceed 120 °F. Surface must be completely dry including dew before applying. Apply on a clear, dry day with a max humidity level of 70%. DO NOT apply if heavy dew or rain is expected within 2 to 4 hours. KEEP FROM FREEZING.

FOR EXTERIOR USE ONLY. DO NOT THIN.

APPLICATION

NOTE: Material may experience separation while in storage with clear material surfacing to the top. Recommend a thorough manual stir and mix of the product prior to application. Power agitation may entrain air into the product if not performed at a slow speed. DO NOT machine shake. Pour product onto roof surface and spread using a roof brush or notched squeegee to achieve a dry film thickness of 30 mils. Backroll with a 3/4" nap roller to fill voids and create a uniform finish. Avoid excessive rolling. If using an airless sprayer, a hydraulic pump with 5,000 - 7,000 psi and a .531" tip is required. If using airless sprayer, clean sprayer using virgin mineral spirits. Coating application options: If one coat application is desired, apply 1 coat at 50 sq/ft per gallon. If applying in 2 coats, apply each coat in 1 gallon per 100 sq/ft. Finished coverage will be the same, at covering 250 sq/ft of roof surface per 5 gallon bucket. DO NOT apply if heavy dew or rain is expected within 2 to 4 hours. Refer to UNIFLEX Fluid Applied Roofing Systems Specifications as application rate and technique may vary with substrate type.

WARRANTY

Uniflex and The Sherwin-Williams Company warrants Silicone44™ Rubberized Silicone Roof Coating to be free from defects in materials and manufacturing. Under this warranty, we will provide, at no charge, a quantity of Silicone44™ Rubberized Silicone Roof Coating sufficient to replace any Silicone44™ Rubberized Silicone Roof Coating proven to be defective when applied according to our written instructions and in applications recommended by us as suitable for the product. **THIS LIMITED WARRANTY IS THE BUYER'S SOLE AND EXCLUSIVE REMEDY AGAINST UNIFLEX AND THE SHERWIN-WILLIAMS COMPANY REGARDING THE PRODUCT. IN NO EVENT SHALL UNIFLEX OR THE SHERWIN-WILLIAMS COMPANY BE LIABLE FOR ANY CONSEQUENTIAL, SPECIAL, INCIDENTAL, INDIRECT, PUNITIVE OR OTHER DAMAGES ARISING FROM THE USE OR PERFORMANCE OF THE PRODUCT.** Since methods of application and on site conditions can affect performance, **UNIFLEX AND THE SHERWIN-WILLIAMS COMPANY MAKE NO OTHER WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE REGARDING THE PRODUCT, AND UNIFLEX AND THE SHERWIN-WILLIAMS COMPANY HEREBY DISCLAIM ALL SUCH OTHER WARRANTIES.**

DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of KST Coatings- A Business Unit of the Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of the publication. Consult your Uniflex Technical Representative to obtain the most recent Product Data Information.

If further information is needed, contact Uniflex Technical Service at
1-888-321-3539

Revised 8.03.2021

Packaged colors are available in the following Uniflex® Elastomeric Finish Coat products:

PRODUCT DESCRIPTION	SMIS CODE	PRODUCT NUMBER	SIZE CODE	SIZE DESCRIPTION
Premium Elastomeric White	009921156	KST041300	20	5-GALLON
Premium Elastomeric White	009921164	KST041300	27	55-GALLON DRUM
Premium Elastomeric White	001556604	KST041300	28	275-GALLON TOTE
Premium Elastomeric Gray	009921206	KST041320	20	5-GALLON
Premium Elastomeric Gray	009921214	KST041320	27	55-GALLON DRUM
Premium Elastomeric Gray	001556620	KST041320	28	275-GALLON TOTE
Premium Elastomeric Black	001556638	KST041325	20	5-GALLON
Premium Elastomeric Black	001915750	KST041325	27	55-GALLON DRUM
Premium Elastomeric Sedona Tan	650340490	KST41300T	20	5-GALLON
Premium Elastomeric Sedona Tan	650340524	KST41300T	27	55-GALLON DRUM
Elastomeric White	009921248	KST041500	20	5-GALLON
Elastomeric White	009921255	KST041500	27	55-GALLON DRUM
Elastomeric White	001512920	KST041500	28	275-GALLON TOTE

Color fade is not covered under product warranty.
Custom colors available upon request; contact your Uniflex sales representative.

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TAGUNFL 1537/19



SILICONE44[®]

RUBBERIZED ROOF COATING

The power of rubberized silicone to withstand ponding water.



PROBLEM: Roof leaks and destruction can occur on the roof surface as a result of standing or ponding water on a roof. These damaging effects of ponding water can be costly for the building owner. Acrylic roof coatings can't hold up to standing water. In the last few years, building owners have changed the conversation to the issue that ponding water resistance is now critical in roof restoration coating.

SOLUTION: Uniflex[®] Silicone44[®] Rubberized Roof Coating is the solution for building owners looking for roof coating that provides ponding water resistance. It's a premium silicone rubber roof coating designed to provide protection against leaks caused by ponding water. The monolithic coating provides a seamless rubberized layer of protection to low-slope and moderate slope (<3:12 pitch) roofs.





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) 315-2599
www.miamidade.gov/economy

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 revises and renews NOA No. 14-0826.06 and consists of pages 1 through 12.
The submitted documentation was reviewed by Jorge L. Acebo.



NOA No.: 21-0218.04
Expiration Date: 10/06/26
Approval Date: 09/30/21
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ROOFING SYSTEM APPROVAL

<u>Category:</u>	Roofing
<u>Sub-Category:</u>	Liquid Applied Roof Systems
<u>Material:</u>	Elastomeric
<u>Deck Type:</u>	Recover
<u>Maximum Design Pressure:</u>	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
Kool Seal Premium Elastomeric Finish Coat KS0063900	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:

TABLE 2

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



APPROVED FASTENERS:**TABLE 3**

<u>Fastener #</u>	<u>Product</u>	<u>Description</u>	<u>Dimensions</u>	<u>Manufacturer</u> (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 DF-#14-PH3	Carbon steel fasteners	Various	SFS Group USA, Inc.
6.	Isofast PLT-S-2-3/4x2-3/4	Glavalume insulation and membrane stress plate	2¾" x 2¾"	SFS Group USA, Inc.

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
UL LLC	R12209	UL 790	04/26/21
FM Approvals	3043145	FM 4470	03/12/14
Trinity ERD	KST-SC6350.11.14	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
PRI Construction Materials Technologies, LLC	1272T0026	ASTM D 1227	07/21/21
	1272T0027	Physical Properties	06/18/21
	1272T0028	Physical Properties	08/24/21

DECK STRESS ANALYSIS CALCULATIONS/REPORTS

<u>Engineer/Agency</u>	<u>Identifier</u>	<u>Assemblies</u>	<u>Date</u>
FM Approval Deck Limitations		C(1),	01/01/13
Zachary R. Priest, P.E.	Signed/Sealed Calculations	C(2), E(1), E(2), E(3)	09/23/21

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. This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.
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, KS0063900 Kool Seal Premium Elastomeric Finish Coat White 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.

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

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, KS0063900 Kool Seal Premium Elastomeric Finish Coat White 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: 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.

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

System Type E(1): 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 DF-#14-PH3 fasteners with Isofast PLT-S-2-3/4x2-3/4 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, KS0063900 Kool Seal Premium Elastomeric Finish Coat White 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. This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.		
System Type E(2):	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 ft ² /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 DF-#14-PH3 fasteners with Isofast PLT-S-2-3/4x2-3/4 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, KS0063900 Kool Seal Premium Elastomeric Finish Coat White 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. This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.		
System Type E(3):	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 ft ² /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 DF-#14-PH3 fasteners with Isofast PLT-S-2-3/4x2-3/4 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, KS0063900 Kool Seal Premium Elastomeric Finish Coat White 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: 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, KS0063900 Kool Seal Premium Elastomeric Finish Coat White or Uniflex Premium Elastomeric Base Coat Gray 41-320 applied at 1-2 gal./sq.

Maximum Design Pressure: -404 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-Fibred 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-Fibred 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, KS0063900 Kool Seal Premium Elastomeric Finish Coat White or Uniflex Premium Elastomeric Base Coat Gray 41-320 applied at 1-2 gal./sq.

Maximum Design Pressure: -404 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, KS0063900 Kool Seal Premium Elastomeric Finish Coat White or Uniflex Premium Elastomeric Base Coat Gray 41-320 applied at 1-2 gal./sq.

Maximum Design Pressure: -404 psf. (See General Limitations #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 system 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 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



NOA No.: 21-0218.04
Expiration Date: 10/06/26
Approval Date: 09/30/21
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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) 315-2599

www.miamidade.gov/economy

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 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 Concrete 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 renews and revises NOA No. 14-0826.05 and consists of pages 1 through 8.
The submitted documentation was reviewed by Jorge L. Acebo.



NOA No.: 21-0218.03
Expiration Date: 10/06/26
Approval Date: 09/30/21
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ROOFING SYSTEM APPROVAL

Category: Roofing
Sub-Category: Liquid Applied Roof Systems
Material: Elastomeric
Deck Type: Concrete
Maximum Design Pressure: -790 psf.

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 Premium Elastomeric Finish Coat White 41-300	5, 55, 275 gallons	ASTM D6083	Acrylic elastomeric coating
Kool Seal Premium Elastomeric Finish Coat KS0063900	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:

TABLE 2

Product Name	Product Description	Manufacturer
ACFoam-II	Polyisocyanurate insulation	(With Current NOA) Atlas Roofing Corp.
ENRGY 3	Polyisocyanurate insulation	Johns Manville Corp.
H-Shield	Polyisocyanurate insulation	Hunter Panels, LLC
ISO 95+ GL	Polyisocyanurate insulation	Firestone Building Products Company, LLC
SECUROCK Gypsum-Fiber Roof Board	Gypsum board	USG Corp.

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APPROVED ADHESIVES:

Product Name	Product Description	<u>Manufacturer</u> (With current NOA)
Insta Stik Quik Set Insulation Adhesive	A single component moisture curing urethane foam adhesive	Dupont de Nemours, Inc.
Millennium One Step Foamable Adhesive	A two-part urethane low rise foam adhesive	H.B. Fuller Company
OlyBond 500	Spray Polyurthane Foam	OMG, Inc.
ICP Adhesives CR-20	Dual component urethane adhesive	ICP Adhesives and Sealants, Inc.

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Description</u>	<u>Date</u>
UL LLC	R12209	UL 790	04/26/21
FM Approvals	3043145 3023458	FM 4470 FM 4450	03/12/14 07/18/06
Trinity ERD	KST-SC6350.11.14 KST-SC9330.01.16 KST-SC9330.05.16	TAS 114 ASTM D6083 ASTM D6083	11/04/14 01/21/16 05/02/16
RCMA Americas, Inc.	SX01B6B	ASTM D6083	02/25/16
PRI Construction Materials Technologies, LLC	1272T0027 1272T0028	Physical Properties Physical Properties	06/18/21 08/24/21



APPROVED ASSEMBLIES:

Membrane Type: Liquid Applied Membrane
Deck Type 3I: Concrete Decks, Insulated
Deck Description: 2500 psi structural concrete or concrete plank
System Type A(1): Insulation adhered with approved asphalt, followed by Uniflex roof system.

All General and System Limitations apply.

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	Insulation Fasteners (Table 3)	Fastener Density/ft ²
ISO 95+ GL Minimum 2" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft ²
SECUROCK Gypsum-Fiber Roof Board Minimum 3/8" thick	N/A	N/A

Note: All insulation shall be adhered to the deck in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs/100 ft² or with Insta Stik Quik Set Insulation Adhesive or Millennium One Step Foamable Adhesive in 3/4" ribbons spaced 12" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

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 prior to application of top coat.

Top Coat: Apply Uniflex Premium Elastomeric Finish Coat White 41-300, KS0063900 Kool Seal Premium Elastomeric Finish Coat White or Uniflex Premium Elastomeric Base Coat Gray 41-320 applied at 1-2 gal./sq.

Maximum Design Pressure: -225 psf. (See General Limitation #9)



Membrane Type: Liquid Applied Membrane
Deck Type 3I: Concrete Decks, Insulated
Deck Description: 2500 psi structural concrete or concrete plank
System Type A(2): Insulation adhered with approved asphalt, followed by Uniflex roof system.

All General and System Limitations apply.

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	Insulation Fasteners (Table 3)	Fastener Density/ft ²
ACFoam-II, H-Shield, ENRGY 3 Minimum 2" thick	N/A	N/A
Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft ²
SECUROCK Gypsum-Fiber Roof Board Minimum 3/8" thick	N/A	N/A

Note: All insulation shall be adhered to the deck in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs/100 ft² or with Insta Stik Quik Set Insulation Adhesive, OlyBond 500, ICP Adhesives CR-20 or Millennium One Step Foamable Adhesive in 3/4" ribbons spaced 12" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

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 prior to application of top coat.

Top Coat: Apply Uniflex Premium Elastomeric Finish Coat White 41-300, KS0063900 Kool Seal Premium Elastomeric Finish Coat White or Uniflex Premium Elastomeric Base Coat Gray 41-320 applied at 1-2 gal./sq.

Maximum Design Pressure: -247.5 psf. (See General Limitation #9)



Membrane Type: Liquid Applied Membrane
Deck Type 3I: Concrete Decks, Insulated
Deck Description: 2500 psi structural concrete or concrete plank
System Type A(3): Insulation adhered with approved asphalt, followed by Uniflex roof system.

All General and System Limitations apply.

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	Insulation Fasteners (Table 3)	Fastener Density/ft²
SECUROCK Gypsum-Fiber Roof Board Minimum 3/8" thick	N/A	N/A

Note: All insulation shall be adhered to the deck in full mopping of approved asphalt within the EVT range and at a rate of 20-40 lbs/100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment.

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 prior to application of top coat.

Top Coat: Apply Uniflex Premium Elastomeric Finish Coat White 41-300, KS0063900 Kool Seal Premium Elastomeric Finish Coat White or Uniflex Premium Elastomeric Base Coat Gray 41-320 applied at 1-2 gal./sq.

Maximum Design Pressure: -790 psf. (See General Limitation #9)



Membrane Type: Liquid Applied Membrane
Deck Type 3: Concrete Decks, Non-insulated
Deck Description: 2500 psi structural concrete or concrete plank
System Type F: Uniflex roof system applied directly to substrate.

All General and System Limitations apply.

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.

Primer: Uniflex Acrylic Concrete Primer 36-500 applied at 0.5 gal/sq.

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 prior to application of top coat.

Top Coat: Apply Uniflex Premium Elastomeric Finish Coat White 41-300, KS0063900 Kool Seal Premium Elastomeric Finish Coat White or Uniflex Premium Elastomeric Base Coat Gray 41-320 applied at 1-2 gal./sq.

Maximum Design Pressure: -487.5 psf. (See General Limitations #9)



CONCRETE DECK SYSTEM LIMITATIONS:

1. If mechanical attachment to the structural deck through the lightweight insulating concrete is proposed, a field withdrawal resistance testing shall be performed to determine equivalent or enhanced fastener patterns and density. All testing and fastening design shall be in compliance with Testing Application Standard TAS 105 and Roofing Application Standard RAS 117, calculations shall be signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant.

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 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 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 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



NOA No.: 21-0218.03
Expiration Date: 10/06/26
Approval Date: 09/30/21
Page 8 of 8



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) 315-2599

www.miamidade.gov/economy

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 Steel 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 renews and revises NOA No. 14-0826.04 and consists of pages 1 through 5.
The submitted documentation was reviewed by Jorge L. Acebo.



NOA No.: 21-0218.02
Expiration Date: 10/06/26
Approval Date: 09/30/21
Page 1 of 5

ROOFING SYSTEM APPROVAL

<u>Category:</u>	Roofing
<u>Sub-Category:</u>	Liquid Applied Roof Systems
<u>Material:</u>	Elastomeric
<u>Deck Type:</u>	Steel
<u>Maximum Design Pressure:</u>	-75 psf.

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 Premium Elastomeric Finish Coat White 41-300	5, 55, 275 gallons	ASTM D6083	Acrylic elastomeric coating
Kool Seal Premium Elastomeric Finish Coat KS0063900	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.

APPROVED INSULATIONS:

TABLE 2

<u>Product Name</u>	<u>Product Description</u>	<u>Manufacturer</u> (With Current NOA)
SECUROCK Gypsum-Fiber Roof Board	Gypsum board	USG Corp.
EnergyGuard Polyiso	Polyisocyanurate insulation	GAF

APPROVED FASTENERS:

TABLE 3

<u>Fastener #</u>	<u>Product</u>	<u>Description</u>	<u>Dimensions</u>	<u>Manufacturer</u> (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.

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
UL LLC	R12209	UL 790	04/26/21
Trinity ERD	KST-SC6350.11.14	TAS 114	11/04/14
	KST-SC9330.01.16	ASTM D6083	01/21/16
	KST-SC9330.05.16	ASTM D6083	05/02/16
RCMA Americas, Inc.	SX01B6B	ASTM D6083	02/25/16
PRI Construction Materials Technologies, LLC	1272T0028	Physical Properties	08/24/21

DECK STRESS ANALYSIS CALCULATIONS/REPORTS

<u>Engineer/Agency</u>	<u>Identifier</u>	<u>Assemblies</u>	<u>Date</u>
Zachary R. Priest, P.E.	Signed/Sealed Calculations	C	09/23/21



APPROVED ASSEMBLIES:

Membrane Type: Liquid Applied Membrane

Deck Type 2I: Steel, Insulated

Deck Description: Min. 22 ga., Type B, Grade 40 steel deck fastened to structural supports spaced 6' o.c. with Tek/5 screws spaced 6" o.c. Side laps fastened with Tek/1 screws spaced 24" o.c.

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

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

All General and System Limitations apply.

Base Insulation Layer	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, Kool Seal Premium Elastomeric Finish Coat KS0063900 or Uniflex Premium Elastomeric Base Coat Gray 41-320 applied at 1-2 gal./sq.

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



NOA No.: 21-0218.02
Expiration Date: 10/06/26
Approval Date: 09/30/21
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STEEL DECK SYSTEM LIMITATIONS:

1. If mechanical attachment to the structural deck through the lightweight insulating concrete is proposed, a field withdrawal resistance testing shall be performed to determine equivalent or enhanced fastener patterns and density. All testing and fastening design shall be in compliance with Testing Application Standard TAS 105 and Roofing Application Standard RAS 117, calculations shall be signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant.
2. For steel deck application where specific deck construction is not referenced: The deck shall be a minimum 22 gage attached with 5/8" puddle welds with weld washers at every flute with maximum deck spans of 5 ft. o.c.

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



SILICONE44®

RUBBERIZED ROOF COATING



Benefits of Uniflex® Silicone44® Rubberized Silicone Roof Coating:

- ✓ Ponding water resistance
- ✓ Excellent flow and leveling
- ✓ Exceptional permeability rating of 7.2 perms aids in breathability, which helps prevent blistering
- ✓ UV resistance with bright white reflective finish helps lower cooling costs
- ✓ Superior dirt pickup resistance allows for the coating to stay cleaner, longer
- ✓ Outstanding adhesion to most roofing materials

ROOF COATING TECHNOLOGY RATING

PERFORMANCE ATTRIBUTE	SILICONE	ACRYLIC
Ponding Water Resistance	✓✓✓	
UV Resistance	✓✓✓	✓✓
Toughness (tensile/elongation)	✓✓	✓✓
Tear Resistance	✓	✓
Recoatability	✓	✓✓✓
Cleanup	Solvent	Water

Rating Scale

- Good = ✓
 Better = ✓✓
 Best = ✓✓✓

Recommended roof substrates:

- Metal
- Polyurethane Foam
- Single Ply
- Cured Concrete
- Smooth Built-up Roof
- Modified Bitumen

SKU Number	SKU Description	Size	UPC	SMIS
KST044600-20	Rubberized Silicone White Roof Coating	5-Gallon Pail	050926004903	651179129
KST044600-27	Rubberized Silicone White Roof Coating	50-Gallon Drum	050926004910	651179178
KST044320-20	Rubberized Silicone Gray Roof Coating	5-Gallon Pail	050926003883	650963069
KST044320-27	Rubberized Silicone Gray Roof Coating	55-Gallon Drum	050926003890	650963077



Contact your local area sales rep for more information.
uniflexroof.com



SILICONE44[®]

RUBBERIZED ROOF COATING

The power of rubberized silicone to withstand ponding water.



PROBLEM: Roof leaks and destruction can occur on the roof surface as a result of standing or ponding water on a roof. These damaging effects of ponding water can be costly for the building owner. Acrylic roof coatings can't hold up to standing water. In the last few years, building owners have changed the conversation to the issue that ponding water resistance is now critical in roof restoration coating.

SOLUTION: Uniflex[®] Silicone44[®] Rubberized Roof Coating is the solution for building owners looking for roof coating that provides ponding water resistance. It's a premium silicone rubber roof coating designed to provide protection against leaks caused by ponding water. The monolithic coating provides a seamless rubberized layer of protection to low-slope and moderate slope (<3:12 pitch) roofs.



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Data Pages