



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
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www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Gaco a div. of Firestone Building Products Company, LLC
200 4th Ave. South
Nashville, TN 37201

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: GacoFlex® Pedestrian and Vehicular Traffic Deck Waterproofing Systems

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 NOA No.18-0424.07 and consists of pages 1 through 9.
The submitted documentation was reviewed by Jorge L. Acebo.



NOA No.: 18-1206.14
Expiration Date: 11/14/23
Approval Date: 07/02/20
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ROOFING SYSTEM APPROVAL

Category: Roofing
Sub-Category: Waterproofing
Material: Polyurethane
Maximum Design Pressure: -502.5 psf

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Container Size</u>	<u>Test Specification</u>	<u>Product Description</u>
GacoFlex® E-5990	Part A: 1 & 5 gal. pails, Part B: 1 qt. & 1 gal. pails	Proprietary	Epoxy two-component concrete sealer
GacoFlex® E-5320	Part A: 1 & 5 gal. pails, Part B: 1 & 5 gal. pails	Proprietary	Epoxy two-component general purpose primer
GacoFlex® E-5691	Part A: 1 & 5 gal. pails, Part B: 1 & 5 gal. pails	Proprietary	Epoxy two-component concrete primer/sealer
GacoFlex® UB-64	Part A: 5 gal. pails Part B: 5 gal. pails	ASTM C 957	Polyurethane two-component base and intermediate coat for pedestrian/traffic decks
GacoFlex® U-64	Part A: 5 gal. pails Part B: 5 gal. pails	ASTM C 957	Polyurethane two-component top coat for traffic decks
GacoFlex® U-66	Part A: 5 gal. pails Part B: 5 gal. pails	ASTM C 957	Polyurethane two-component top coat for pedestrian decks
GacoFlex® U-91	Part A: 5 gal. pails Part B: 5 gal. pails	ASTM C 957	Polyurethane one-component top coat for pedestrian/traffic decks
GacoShell®	50 lb bags	N/A	Walnut shell aggregate

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Specification</u>	<u>Date</u>
Intertek	101151074MID-001	ASTM E108	06/24/13
	102270272MID-001A	ASTM E108	03/04/16
PRI Construction Materials Technologies, LLC	GWI-014-02-01 Rev 1	ASTM C957	06/21/12
	GWI-015-02-01	ASTM C957	03/14/12
	GWI-018-02-01 Rev 1	TAS 114 D	07/09/13
	GWI-019-02-01 Rev 1	TAS 114 D	07/09/13
	GWI-029-02-01 Rev 1	ASTM C957	02/23/16
	GWI-029-02-02	TAS 114 D	01/29/16
	GWI-046-02-01	ASTM D93/ASTM1644	05/24/17
	GWI-050-02-01	ASTM D7234	05/22/18
	GWI-063-02-01	ASTM D1475 / ASTM D1644	10/09/18
	GWI-064-02-01	ASTM D7234	10/09/18
	348T0035	TAS 114 D	02/18/20



NOA No.: 18-1206.14
 Expiration Date: 11/14/23
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APPROVED APPLICATIONS:

Deck Type 1	Concrete Decks
Deck Description:	Min. 2500 psi
System Types F(1):	GacoFlex Coating System for Pedestrian Decks (GW-14-U)
Substrate Preparation:	<p>Surfaces must be thoroughly dry to ensure adhesion for all primers and coatings except those designed for moist surfaces. Remove dirt or dust that settles on surfaces before start of work or between coats. Sweeping or blowing may be sufficient, however, washing or damp-mopping is considered the best procedure.</p> <p>Clean substrate to remove all surface contaminants according to the manufacturer's current published application instructions.</p>
Surface Prep:	<p>Seal entire deck surface and all vertical or sloping surfaces of curbs, cants, parapets, etc., which are to receive coatings with GacoFlex® E-5990 at 0.5 gal/100ft² then apply GacoFlex® E-5320 at 0.40gal/100ft² according to the manufacturer's current published application instructions.</p> <p>Or</p> <p>Apply GacoFlex® E-5691 at 0.33 gal/100ft² directly to concrete deck according to the manufacturer's current published application instructions.</p>
Flashing:	All joints, cracks, and changes of plane are to be flashed with GacoFlex® 66B Tape set in wet GacoFlex® UB-64 according to the manufacturer's current published application instructions.
Base Coat:	Apply GacoFlex® UB-64 at 1.25gal/100ft ² according to the manufacturer's current published application instructions.
Intermediate Coat:	Apply GacoFlex® UB-64 at 1gal/100ft ² . While coating is still wet, broadcast GacoShell® size 18/40 at 6 to 8 lbs./100ft ² according to the manufacturer's current published application instructions.
Top Coat:	Apply GacoFlex® U-66 at 1gal/100ft ² , totally encapsulating the GacoShell® granules, according to the manufacturer's current published application instructions.
Integrity Test:	Required, and shall be performed in accordance with ASTM D 5957 by an approved lab. Water may be maintained for a period longer than 24 hours if required.
Inspection:	Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. All defects shall be corrected.
Surfacing:	N/A
Maximum Design Pressure:	-435 psf. (See General Limitation #9)



Deck Type 1	Concrete Decks
Deck Description:	Min. 2500 psi
System Types F(2):	GacoFlex Coating System for Pedestrian Decks (GW-14-U91)
Substrate Preparation:	Surfaces must be thoroughly dry to ensure adhesion for all primers and coatings except those designed for moist surfaces. Remove dirt or dust that settles on surfaces before start of work or between coats. Sweeping or blowing may be sufficient, however, washing or damp-mopping is considered the best procedure. Clean substrate to remove all surface contaminants according to the manufacturer's current published application instructions.
Surface Prep:	Seal entire deck surface and all vertical or sloping surfaces of curbs, cants, parapets, etc., which are to receive coatings with GacoFlex® E-5990 at 0.5 gal/100ft ² then apply GacoFlex® E-5320 at 0.40gal/100ft ² according to the manufacturer's current published application instructions. Or Apply GacoFlex® E-5691 at 0.33 gal/100ft ² directly to concrete deck according to the manufacturer's current published application instructions.
Flashing:	All joints, cracks, and changes of plane are to be flashed with GacoFlex® 66B Tape set in wet GacoFlex® U-91 according to the manufacturer's current published application instructions.
Base Coat:	Apply GacoFlex® U-91 at min. 0.75 gal/100ft ² according to the manufacturer's current published application instructions.
Intermediate Coat:	Apply GacoFlex® U-91 at min. 0.75 gal/100ft ² . While coating is still wet, broadcast GacoShell® size 18/40 at 6 to 8 lbs./100ft ² according to the manufacturer's current published application instructions.
Top Coat:	Apply GacoFlex® U-91 at 0.75gal/100ft ² , totally encapsulating the GacoShell® granules, according to the manufacturer's current published application instructions.
Integrity Test:	Required, and shall be performed in accordance with ASTM D 5957 by an approved lab. Water may be maintained for a period longer than 24 hours if required.
Inspection:	Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. All defects shall be corrected.
Surfacing:	N/A
Maximum Design Pressure:	-502.5 psf. (See General Limitation #9)



Deck Type 1	Concrete Decks
Deck Description:	Min. 2500 psi
System Types F(3):	GacoFlex Coating System for Vehicular Decks (GW-15-UBU)
Substrate Preparation:	Surfaces must be thoroughly dry to ensure adhesion for all primers and coatings except those designed for moist surfaces. Remove dirt or dust that settles on surfaces before start of work or between coats. Sweeping or blowing may be sufficient, however, washing or damp-mopping is considered the best procedure. Clean substrate to remove all surface contaminants according to the manufacturer's current published application instructions.
Surface Prep:	Seal entire deck surface and all vertical or sloping surfaces of curbs, cants, parapets, etc., which are to receive coatings with GacoFlex® E-5990 at 0.5 gal/100ft ² then apply GacoFlex® E-5320 at 0.40gal/100ft ² according to the manufacturer's current published application instructions. Or Apply GacoFlex® E-5691 at 0.33 gal/100ft ² directly to concrete deck according to the manufacturer's current published application instructions.
Flashing:	All joints, cracks, and changes of plane are to be flashed with GacoFlex® 66B Tape set in wet GacoFlex® UB-64 according to the manufacturer's current published application instructions.
Base Coat:	Apply GacoFlex® UB-64 at 1.25gal/100ft ² according to the manufacturer's current published application instructions.
Intermediate Coat:	Apply GacoFlex® UB-64 at 1gal/100ft ² . While coating is still wet, broadcast GacoShell® size 12/20 at 3 to 5 lbs./100ft ² according to the manufacturer's current published application instructions.
Top Coat:	Apply GacoFlex® U-64 at 1.25gal/100ft ² , totally encapsulating the GacoShell® granules, according to the manufacturer's current published application instructions.
Integrity Test:	Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required.
Inspection:	Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. All defects shall be corrected.
Surfacing:	N/A
Maximum Design Pressure:	-437.5 psf. (See General Limitation #9)



Deck Type 1	Concrete Decks
Deck Description:	Min. 2500 psi
System Types F(4):	GacoFlex Coating System for Vehicular Decks with Ramps and Turn Areas (GW-15-UBU)
Substrate Preparation:	Surfaces must be thoroughly dry to ensure adhesion for all primers and coatings except those designed for moist surfaces. Remove dirt or dust that settles on surfaces before start of work or between coats. Sweeping or blowing may be sufficient, however, washing or damp-mopping is considered the best procedure. Clean substrate to remove all surface contaminants according to the manufacturer's current published application instructions.
Surface Prep:	Seal entire deck surface and all vertical or sloping surfaces of curbs, cants, parapets, etc., which are to receive coatings with GacoFlex® E-5990 at 0.5 gal/100ft ² then apply GacoFlex® E-5320 at 0.40gal/100ft ² according to the manufacturer's current published application instructions. Or Apply GacoFlex® E-5691 at 0.33 gal/100ft ² directly to concrete deck according to the manufacturer's current published application instructions.
Flashing:	All joints, cracks, and changes of plane are to be flashed with GacoFlex® 66B Tape set in wet GacoFlex® UB-64 according to the manufacturer's current published application instructions.
Base Coat:	Apply GacoFlex® UB-64 at 1.25gal/100ft ² according to the manufacturer's current published application instructions.
Intermediate Coat:	Apply GacoFlex® UB-64 to ramp and turn areas at 1gal/100ft ² . While the coating is still wet, broadcast GacoShell® size 12/20 at 4 to 6 lbs./100ft ² according to the manufacturer's current published application instructions. Apply a second coat of GacoFlex® UB-64 to the entire deck surface including the ramp and turn areas at 1gal/100ft ² . While the coating is still wet, broadcast GacoShell® size 12/20 into all areas EXCEPT THE RAMP AND TURN AREAS at 3 to 5 lbs./100ft ² according to the manufacturer's current published application instructions.
Top Coat:	Apply GacoFlex® U-64 at 1.25gal/100ft ² according to the manufacturer's current published application instructions.
Integrity Test:	Required, and shall be performed in accordance with ASTM D 5957. Water may be maintained for a period longer than 24 hours if required.
Inspection:	Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. All defects shall be corrected.
Surfacing:	N/A
Maximum Design Pressure:	-437.5 psf. (See General Limitation #9)



Deck Type 1	Concrete Decks
Deck Description:	Min. 2500 psi
System Types F(5):	GacoFlex Coating System for Vehicular Decks (GW-15-U91)
Substrate Preparation:	Surfaces must be thoroughly dry to ensure adhesion for all primers and coatings except those designed for moist surfaces. Remove dirt or dust that settles on surfaces before start of work or between coats. Sweeping or blowing may be sufficient, however, washing or damp-mopping is considered the best procedure. Clean substrate to remove all surface contaminants according to the manufacturer's current published application instructions.
Surface Prep:	Seal entire deck surface and all vertical or sloping surfaces of curbs, cants, parapets, etc., which are to receive coatings with GacoFlex® E-5990 at 0.5 gal/100ft ² then apply GacoFlex® E-5320 at 0.40gal/100ft ² according to the manufacturer's current published application instructions. Or Apply GacoFlex® E-5691 at 0.33 gal/100ft ² directly to concrete deck according to the manufacturer's current published application instructions.
Flashing:	All joints, cracks, and changes of plane are to be flashed with GacoFlex® 66B Tape set in wet GacoFlex® U-91 according to the manufacturer's current published application instructions.
Base Coat:	Apply GacoFlex® U-91 at 1.25gal/100ft ² according to the manufacturer's current published application instructions.
Intermediate Coat:	Apply GacoFlex® U-91 at 1gal/100ft ² . While coating is still wet, broadcast GacoShell® size 12/20 at 4 to 6 lbs./100ft ² according to the manufacturer's current published application instructions.
Top Coat:	Apply GacoFlex® U-91 at 1 gal/100ft ² , totally encapsulating the GacoShell® granules, according to the manufacturer's current published application instructions.
Integrity Test:	Required, and shall be performed in accordance with ASTM D 5957 by an approved lab. Water may be maintained for a period longer than 24 hours if required.
Inspection:	Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. All defects shall be corrected.
Surfacing:	N/A
Maximum Design Pressure:	-502.5 psf. (See General Limitation #9)



Deck Type 1	Concrete Decks
Deck Description:	Min. 2500 psi
System Types F(6):	GacoFlex Coating System for Vehicular Decks at Ramps and Turn Areas (GW-15-U91)
Substrate Preparation:	Surfaces must be thoroughly dry to ensure adhesion for all primers and coatings except those designed for moist surfaces. Remove dirt or dust that settles on surfaces before start of work or between coats. Sweeping or blowing may be sufficient, however, washing or damp-mopping is considered the best procedure. Clean substrate to remove all surface contaminants according to the manufacturer's current published application instructions.
Surface Prep:	Seal entire deck surface and all vertical or sloping surfaces of curbs, cants, parapets, etc., which are to receive coatings with GacoFlex® E-5990 at 0.5 gal/100ft ² then apply GacoFlex® E-5320 at 0.40gal/100ft ² according to the manufacturer's current published application instructions. Or Apply GacoFlex® E-5691 at 0.33 gal/100ft ² directly to concrete deck according to the manufacturer's current published application instructions.
Flashing:	All joints, cracks, and changes of plane are to be flashed with GacoFlex® 66B Tape set in wet GacoFlex® U-91 according to the manufacturer's current published application instructions.
Base Coat:	Apply GacoFlex® U-91 at 1.25gal/100ft ² according to the manufacturer's current published application instructions.
Intermediate Coat:	Apply GacoFlex® U-91 to ramp and turn areas at 1gal/100ft ² . While the coating is still wet, broadcast GacoShell® size 12/20 at 4 to 6 lbs./100ft ² according to the manufacturer's current published application instructions. Apply a second coat of GacoFlex® U-91 to the entire deck surface including the ramp and turn areas at 1gal/100ft ² . While the coating is still wet, broadcast GacoShell® size 12/20 into all areas EXCEPT THE RAMP AND TURN AREAS at 3 to 5 lbs./100ft ² according to the manufacturer's current published application instructions.
Top Coat:	Apply GacoFlex® U-91 at 1 gal/100ft ² , totally encapsulating the GacoShell® granules, according to the manufacturer's current published application instructions.
Integrity Test:	Required, and shall be performed in accordance with ASTM D 5957 by an approved lab. Water may be maintained for a period longer than 24 hours if required.
Inspection:	Contractor and a representative of the membrane manufacturer shall inspect the waterproofing assembly and notify the contractor of any defects. All defects shall be corrected.
Surfacing:	N/A
Maximum Design Pressure:	-502.5 psf. (See General Limitation #9)



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. A copy of the integrity test report described herein in accordance with ASTM D5957 shall be provided to the Building Official for review at time of final inspection.
3. Contractor shall submit to the Building Official for review the system specifications and details. Submission of these documents, as well as the proper application and installation of all materials shall be the sole responsibility of the contractor.
4. Flashings shall be installed according to the manufacturers published standard details, specific details, approved by Gaco a div. of Firestone Building Products Company, LLC and shall be submitted to the Building Official for review.
5. All work shall be performed by a Contractor licensed to do roofing/waterproofing and be an applicator trained by Gaco a div. of Firestone Building Products Company, LLC. Gaco a div. of Firestone Building Products Company, LLC shall supply a list of approved applicators to the authority having jurisdiction.
6. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform with Roofing Application Standard RAS 111 and the wind load requirements of applicable Building Code.
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. A non-skid surfacing is required for all pedestrian areas, plaza decks or balconies.
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. This product/system shall not be installed over lightweight insulating concrete.

END OF THIS ACCEPTANCE

