



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

**NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION

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Gaco Western, LLC  
18700 Southcenter Parkway  
Seattle, WA. 98188

**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 Traffic Bearing 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 consists of pages 1 through 9.  
The submitted documentation was reviewed by Alex Tigera.



NOA No.: 13-0805.09  
Expiration Date: 11/14/18  
Approval Date: 11/14/13  
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## ROOFING SYSTEM APPROVAL

**Category:** Roofing  
**Sub-Category:** Waterproofing  
**Material** Polyurethane  
**Maximum Design Pressure** -437.5 psf

### TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
GacoFlex U-5677	1 & 5 gallon pails	Proprietary	Single component moisture cured polyurethane sealer for concrete
GacoFlex E-5320	Part A: 1 & 5 gal pails, Part B: 1 & 5 gal pails	Proprietary	Two component water based epoxy primer
GacoFlex UB-64	Part A: 5 gal pails Part B: 5 gal pails	ASTM C 957	Two component aromatic polyurethane base and intermediate coat for pedestrian and traffic decks. UB-6407 is gray and UB-6421 is black when mixed.
GacoFlex U-64	Part A: 5 gal pails Part B: 5 gal pails	ASTM C 957	Two component aromatic polyurethane top coat for traffic decks. U-6402 is pewter when mixed.
GacoFlex U-66	Part A: 5 gal pails Part B: 5 gal pails	ASTM C 957	Two component aromatic polyurethane top coat for pedestrian decks. U-6401 is oyster, U-6602 is pewter, U-6616 is shale, and U-6618 is adobe when mixed.
GacoShell	50 lb bags	N/A	Low specific gravity, dense and hard walnut shell aggregate. Aggregate sizes are 12/20 mesh for vehicular decks, 8/12 mesh for ramps, and 18/40 mesh for pedestrian decks

### MANUFACTURING LOCATION:

1. Waukesha, WI.

### EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Specification</u>	<u>Date</u>
Intertek	101151074MID-001	ASTM E 108	6/24/2013
PRI Construction Materials Technologies LLC	GWI-014-02-01 Rev 1	ASTM C 957	06/21/12
	GWI-015-02-01	ASTM C 957	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



## 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:** 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.

Wipe up grease or oil with a solvent and absorbent sweeping material. Wash with solvent-alkaline cleaners diluted one part cleaner and five parts water. Rinse thoroughly with clean water. If evidence of oil film remains as indicated by water "beading," etch surface with 10% solution muriatic acid. Agitate etch with stiff bristle broom; then rinse with clean water. Remove curing compounds by etching with 10% muriatic acid and sweeping, followed by clean water rinse. Allow to thoroughly dry before applying coating.

Any residual traces of asphalt stains must be sealed with Gaco Western's E-5320 Primer to avoid staining of light colored tope coats. Apply sealer in two coats and allow a minimum of 48 hours cure time.

**Primer:** Prime entire deck surface and all vertical or sloping surfaces of curbs, cants, parapets, etc., which are to receive coatings with one coat GacoFlex U-5677 Sealer at a rate of one gallon per 300 square feet (3.78 L / 27.9 m<sup>2</sup>). Allow drying a minimum of 1 hour and no more than 24 hours before applying GacoFlex E-5320.

Apply one coat of GacoFlex E-5320 by roller at the rate of one gallon per 250 square feet (3.78 L / 23.2 m<sup>2</sup>). Allow 3 to 24 hours drying time.

**Base Coat:** Apply one coat of GacoFlex UB-64 Series Polyurethane at a rate of 1.25 gallons per 100 sq. ft (4.73 L / 9.3 m<sup>2</sup>), (20 mils wet (.51 m)) to all areas to receive fluid applied waterproofing, including areas previously caulked, flashed or fabric reinforced. Allow the base coat to cure completely (8 hours minimum at 70°F (21°C)).

**Intermediate Coat:** Apply GacoFlex UB-64 polyurethane by roller to secure a minimum coverage of one gallon per 100 square feet (3.78 L / 9.3 m<sup>2</sup>). (Total wet film thickness - 16 mils (.41 mm)). While coating is still wet, broadcast GacoShell granule at approximately 6 to 8 pounds per 100 sq. ft. (2.7 kg to 3.6 kg / 9.3 m<sup>2</sup>)(one gallon (3.78 L) dry volume). Coat and sprinkle small areas at a time, taking care not to overlap coating and granule at edges. When texture coat is cured enough to walk on, lightly sweep away loose GacoShell granule. If GacoShell gets wet from rain allow 2 days of drying weather before proceeding with finish coat.

<b>Top Coat:</b>	Apply GacoFlex U-66 polyurethane by roller in a coat of the desired color over the granule at the minimum rate of 1 gallon per 100 square feet (3.78 L / 9.3 m <sup>2</sup> ). The GacoShell granule must be totally encapsulated by this finish coat. (Total wet film thickness -16 mils (.41 mm)). Allow 48 hours before deck is put into use. In cool temperatures, a longer curing time may be required.
<b>Integrity Test:</b>	Required, and shall be performed in accordance with ASTM D 5957 by an approved lab. Water maybe maintained for a period longer than 24 hours if required.
<b>Inspection:</b>	Verify that the structure can support the deadload weight of a watertight test before proceeding. The integrity of the cured membrane on a horizontal surface may be verified by damming the entire area and flooding with water to a minimum depth of 2" and allowing the water to stand for 24-48 hours. Visually inspect the bottom surface to check for any water penetration.
<b>Surfacing:</b>	N/A
<b>Maximum Design Pressure:</b>	-435 psf



<b>Deck Type 1</b>	Concrete Decks
<b>Deck Description:</b>	Min. 2500 psi
<b>System Types F(2):</b>	GacoFlex Coating System for Vehicular Decks with Ramps and Turn Areas (GW-15-UBU)
<b>Substrate Preparation:</b>	<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>Wipe up grease or oil with a solvent and absorbent sweeping material. Wash with solvent-alkaline cleaners diluted one part cleaner and five parts water. Rinse thoroughly with clean water. If evidence of oil film remains as indicated by water "beading," etch surface with 10% solution muriatic acid. Agitate etch with stiff bristle broom; then rinse with clean water. Remove curing compounds by etching with 10% muriatic acid and sweeping, followed by clean water rinse. Allow to thoroughly dry before applying coating.</p> <p>Any residual traces of asphalt stains must be sealed with Gaco Western's E-5320 Primer to avoid staining of light colored tope coats. Apply sealer in two coats and allow a minimum of 48 hours cure time.</p>
<b>Primer:</b>	<p>Prime entire deck surface and all vertical or sloping surfaces of curbs, cants, parapets, etc., which are to receive coatings with one coat GacoFlex U-5677 Sealer at a rate of one gallon per 300 square feet (3.78 L / 27.9 m<sup>2</sup>). Allow drying a minimum of 1 hour and no more than 24 hours before applying GacoFlex E-5320.</p> <p>Apply one coat of GacoFlex E-5320 by roller at the rate of one gallon per 200 square feet (3.78 L / 23.2 m<sup>2</sup>). Allow 3 to 24 hours drying time.</p>
<b>Base Coat:</b>	Apply one coat of GacoFlex UB-64 Series Polyurethane at a rate of 1.25 gallons per 100 sq. ft (4.73 L / 9.3 m <sup>2</sup> ), (20 mils wet (.51 m)) to all areas to receive fluid applied waterproofing, including areas previously caulked, flashed or fabric reinforced. Allow the base coat to cure for at least 8 hours, but no more than 72 hours before applying the intermediate coat.



<b>Intermediate Coat:</b>	Apply one coat GacoFlex UB-64 Series Polyurethane to ramp and turn areas at a rate of 1 gallon per 100 sq. ft. (3.78 L / 9.3 m <sup>2</sup> ) (16 mils wet (.41 mm)). While the coating is still wet, broadcast GacoShell granule size 8/12 at 30 to 50% coverage, approximately 4 to 6 pounds per 100 sq. ft. (1.8-2.7 kg / 9.3 m <sup>2</sup> ).  Apply a second coat of GacoFlex UB-64 Series Polyurethane to the entire deck surface including the ramp and turn areas at a rate of 1 gallon per 100 sq. ft. (3.78 L / 9.3 m <sup>2</sup> ). While the coating is still wet, broadcast GacoShell granule size 12/20 into all areas EXCEPT THE RAMP AND TURN AREAS at 30 to 50% coverage, approximately 3 to 5 pounds per 100 sq. ft. (1.4-2.3 kg / 9.3 m <sup>2</sup> ). Feather the distribution of the 12/20 granule into the edge of the 8/12 granule in the ramp and turn areas. Allow the intermediate coat to cure for at least 8 hours, but no more than 72 hours before applying the top coat.
<b>Top Coat:</b>	Prior to installing the finish coat sweep or vacuum away all loose GacoShell from the surface. Apply one coat of GacoFlex U-6402 Series Polyurethane in “pewter” color at a rate of 1.25 gallons per 100 sq. ft. (4.73 L / 9.3 m <sup>2</sup> ) (20 mils (.51 mm) wet).
<b>Integrity Test:</b>	Required, and shall be performed in accordance with ASTM D 5957. Water maybe maintained for a period longer than 24 hours if required.
<b>Inspection:</b>	Verify that the structure can support the deadload weight of a watertight test before proceeding. The integrity of the cured membrane on a horizontal surface may be verified by damming the entire area and flooding with water to a minimum depth of 2" and allowing the water to stand for 24-48 hours. Visually inspect the bottom surface to check for any water penetration
<b>Surfacing:</b>	N/A
<b>Maximum Design Pressure:</b>	-437.5 psf



<b>Deck Type 1</b>	Concrete Decks
<b>Deck Description:</b>	Min. 2500 psi
<b>System Types F(3):</b>	GacoFlex Coating System for Vehicular Decks (GW-15-UBU)
<b>Substrate Preparation:</b>	<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>Wipe up grease or oil with a solvent and absorbent sweeping material. Wash with solvent-alkaline cleaners diluted one part cleaner and five parts water. Rinse thoroughly with clean water. If evidence of oil film remains as indicated by water "beading," etch surface with 10% solution muriatic acid. Agitate etch with stiff bristle broom; then rinse with clean water. Remove curing compounds by etching with 10% muriatic acid and sweeping, followed by clean water rinse. Allow to thoroughly dry before applying coating.</p> <p>Any residual traces of asphalt stains must be sealed with Gaco Western's E-5320 Primer to avoid staining of light colored tope coats. Apply sealer in two coats and allow a minimum of 48 hours cure time.</p>
<b>Primer:</b>	<p>Prime entire deck surface and all vertical or sloping surfaces of curbs, cants, parapets, etc., which are to receive coatings with one coat GacoFlex U-5677 Sealer at a rate of one gallon per 300 square feet (3.78 L / 27.9 m2). Allow drying a minimum of 1 hour and no more than 24 hours before applying GacoFlex E-5320.</p> <p>Apply one coat of GacoFlex E-5320 by roller at the rate of one gallon per 200 square feet (3.78 L / 23.2 m2). Allow 3 to 24 hours drying time.</p>
<b>Base Coat:</b>	Apply one coat of GacoFlex UB-64 Series Polyurethane at a rate of 1.25 gallons per 100 sq. ft (4.73 L / 9.3 m2), (20 mils wet (.51 m)) to all areas to receive fluid applied waterproofing, including areas previously caulked, flashed or fabric reinforced. Allow the base coat to cure for at least 8 hours, but no more than 72 hours before applying the wear course.
<b>Intermediate Coat:</b>	Apply one coat GacoFlex UB-64 Series Polyurethane to all areas at a rate of 1 gallon per 100 sq. ft. (3.78 L / 9.3 m2) (16 mils wet (.41 mm)). While the coating is still wet, broadcast GacoShell granule size 12/20 at 30 to 50% coverage, approximately 3 to 5 pounds per 100 sq. ft. (1.4-2.3 kg / 9.3 m2). Allow to cure for at least 8 hours but no more than 72 hours.
<b>Top Coat:</b>	Prior to installing the finish coat sweep or vacuum away all loose GacoShell from the surface. Apply one coat of GacoFlex U-6402 Series Polyurethane in "pewter" color at a rate of 1.25 gallons per 100 sq. ft. (4.73 L / 9.3 m2) (20 mils (.51 mm) wet).



**Integrity Test:** Required, and shall be performed in accordance with ASTM D 5957. Water maybe maintained for a period longer than 24 hours if required.

**Inspection:** Verify that the structure can support the deadload weight of a watertight test before proceeding. The integrity of the cured membrane on a horizontal surface may be verified by damming the entire area and flooding with water to a minimum depth of 2" and allowing the water to stand for 24-48 hours. Visually inspect the bottom surface to check for any water penetration.

**Surfacing:** N/A

**Maximum Design Pressure:** -437.5 psf



**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 Western, 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 Western, LLC. Gaco Western, 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. Sikalastic shall not be installed over lightweight insulating concrete.
11. All approved products listed herein shall be labeled and shall bear the imprint or identifiable marking of the manufacturer's name or logo and following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below



**END OF THIS ACCEPTANCE**

