



**BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908**

NOTICE OF ACCEPTANCE (NOA)

CETCO

**1500 West Shure Drive
Arlington Heights, IL 60004**

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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: Strataseal HR Hot-Applied Liquid Membrane

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 18.
The submitted documentation was reviewed by Alex Tigera.



**NOA No 08-0125.02
Expiration Date: 06/05/13
Approval Date: 06/05/08
Page 1 of 18**

ROOFING ASSEMBLY APPROVAL

Category: Roofing
Sub-Category: Waterproofing
Materials: Rubberized Asphalt
Maximum Design Pressure N/A
Fire Classification: See General Limitation #1

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Strataseal HR	30-lb box	CGSB 37.50-M89	Single component hot applied rubberized asphalt
Strataprime SB	5-gal pails	See literature	Surface primer
Strataprime WB	5-gal pails	See literature	Surface primer
Stratabond 100	6", 12", 48" x 600'	See literature	Polyester fabric
RAP 100	3' x 108'	See literature	65 mil asphalt protection course
RAP 200	3' x 49'	See literature	90 mil asphalt protection course
RAP 250FR	3' x 32'	See literature	140 mil asphalt protection course with ceramic granule surface.
RAP 350FR	3' x 32'	See literature	160 mil asphalt protection course with ceramic granule surface.
N-Flash	6", 12", 18", 24", 36", 48" x 100"	See literature	60 mil uncured neoprene flashing.
Flash TS	3' x 32'	See literature	150 mil torch down flashing.
Flash TG	3' x 32'	See literature	160 mil torch down flashing.
Flash SA	3' x 65'	See literature	70 mil self-adhered flashing.

TRADE NAMES OF PRODUCTS MANUFACTURED BY OTHERS:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
DowSTYROFOAM ROOFMATE PLAZAMATE	2' x 8' x 2" thick	See Dow literature	2" thick extruded polystyrene insulation
Hi Load 40			
Hi Load 60			
Hi Load 100			
Plaza Pavers	2' x 2' x 2"	N/A	Concrete Pavers

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Specification</u>	<u>Date</u>
PRI Construction Materials.	CBMC-002-02-02	TAS 114	01/09/08
PRI Construction Materials.	CBMG-001-02-02	CAN/CGSB-37.50-M89	07/23/07
PRI Construction Materials.	CBMC-002-02-01	TAS 114	01/09/08
PRI Construction Materials.	CBMG-001-02-01	CAN/CGSB-37.50-M89	07/13/07
FM Global	3028111	TAS 114	01/03/08



APPROVED ASSEMBLIES

Deck Type 3 Concrete Decks, Roof Plaza Decks, Parking Decks

Deck Description: Min. 2500 psi structural concrete

System Type A(1): Strataseal HR – Reinforced Assembly

Substrate: Cast-in-place concrete or composition decks must be monolithic, smooth, and free of voids, spalled areas, laitance, honeycombs, and protrusions. New concrete should be cured 28-days with a light brush or wood float finish texture. A steel float finish will provide too smooth of a surface for proper adhesion of the waterproofing materials, therefore concrete surfaces that have a steel float finish must be mechanically treated prior to the application of the waterproof material.

Remove all dirt, debris, oil, grease, cement laitance or other foreign matter which will impair the adhesion and performance of the waterproofing membrane.

Protect adjacent work areas and finished surfaces from damage or contamination during installation operations.

Expansion joints should be sealed with applicable expansion joint material. Detail waterproofing membrane to expansion joint per manufacturer's standard details.

Primer: Apply primer per manufacturer's guidelines to all surfaces to receive Strataseal HR waterproofing membrane. Allow primer to dry prior to installing the membrane. The surface of the concrete will look discolored, but not blackened. Do not allow the primer to pool or become contaminated. Note: Membrane will not adhere properly to wet primer.

Membrane Flashing: All details and flashings must be completed in accordance with Manufacturers most recent installation guidelines and detail drawings. Non-moving cracks and joints up to 1/16" (1.6mm) require no special treatment.

Reinforce all non-moving cracks and joints 1/16" (1.6mm) to 3/16" (4.8mm) in width with minimum 6" (150mm) wide strip of FLASH SA or a minimum 6" (150mm) wide strip of STRATABOND 100 fabric reinforcement embedded in 90-mil (2.3mm) thick by 9" (225mm) wide tack coat of STRATASEAL HR. Embed the reinforcing while the tack coat is still warm and tacky. Overlap reinforcing strip ends a minimum 2" (50mm), ensuring lap receives rubberized asphalt.

Reinforce all non-moving cracks and joints 3/16" (4.8mm) to 1/2" (12mm) in width with minimum 6" (150mm) wide strip of N-FLASH or FLASH SA embedded in 90-mil (2.3mm) thick by 9" (225mm) wide tack coat of STRATASEAL HR. Embed the reinforcing while the tack coat is still warm and tacky. Overlap reinforcing strip ends a minimum 2" (50mm), ensuring lap receives rubberized asphalt.

Precast Deck Joints: Reinforce all non-moving, grouted precast deck joints with a minimum 6" (150mm) wide strip of N-FLASH or FLASH SA embedded in 90-mil (2.3mm) thick by 9" (225mm) wide tack coat of STRATASEAL HR. Embed the reinforcing while the tack coat is still warm and tacky. Overlap reinforcing strip ends a minimum 2" (50mm), ensuring lap receives rubberized asphalt.

- Base Coat:** Apply minimum 90-mil (2.3mm) thick base layer of Strataseal HR hot applied rubberized asphalt membrane as a continuous monolithic coat over entire area to be waterproofed; including all crack and joint detailing and flashing interfaces.
- Reinforcement:** While the base layer is still warm and tacky, fully embed a layer of Stratabond 100 reinforcement fabric into the top surface of the 90-mil base coat; overlapping fabric seams a minimum ½" to 1" (25mm) and ensuring a layer of membrane between overlaps. Firmly press the reinforcing fabric into the base layer of Strataseal HR membrane.
- Top Coat:** Apply minimum 125-mil (3.2mm) thick top layer of Strataseal HR hot applied rubberized asphalt membrane over the reinforcing fabric in a continuous monolithic coat. Total minimum membrane thickness shall be 215-mils (5.5mm) thick over entire area to be waterproofed.
- Protection Layer:** Unroll and embed RAP 250FR, or RAP 350FR into the membrane ensuring a good bond.

Overlap the laps and seams 3" and seal with Strataseal HR hot applied rubberized asphalt in the seams and laps.
- 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.
- Maximum Design Pressure:** N/A

Deck Type 3 Concrete Decks, Roof Plaza Decks, Parking Decks

Deck Description: Min. 2500 psi structural concrete

System Type A(2): Strataseal HR – Reinforced Assembly

Substrate: Cast-in-place concrete or composition decks must be monolithic, smooth, and free of voids, spalled areas, laitance, honeycombs, and protrusions. New concrete should be cured 28-days with a light brush or wood float finish texture. A steel float finish will provide too smooth of a surface for proper adhesion of the waterproofing materials, therefore concrete surfaces that have a steel float finish must be mechanically treated prior to the application of the waterproof material.

Remove all dirt, debris, oil, grease, cement laitance or other foreign matter which will impair the adhesion and performance of the waterproofing membrane.

Protect adjacent work areas and finished surfaces from damage or contamination during installation operations.

Expansion joints should be sealed with applicable expansion joint material. Detail waterproofing membrane to expansion joint per manufacturer's standard details.

Primer: Apply primer per manufacturer's guidelines to all surfaces to receive Strataseal HR waterproofing membrane. Allow primer to dry prior to installing the membrane. The surface of the concrete will look discolored, but not blackened. Do not allow the primer to pool or become contaminated. Note: Membrane will not adhere properly to wet primer.

Membrane Flashing: All details and flashings must be completed in accordance with Manufacturers most recent installation guidelines and detail drawings. Non-moving cracks and joints up to 1/16" (1.6mm) require no special treatment.

Reinforce all non-moving cracks and joints 1/16" (1.6mm) to 3/16" (4.8mm) in width with minimum 6" (150mm) wide strip of FLASH SA or a minimum 6" (150mm) wide strip of STRATABOND 100 fabric reinforcement embedded in 90-mil (2.3mm) thick by 9" (225mm) wide tack coat of STRATASEAL HR. Embed the reinforcing while the tack coat is still warm and tacky. Overlap reinforcing strip ends a minimum 2" (50mm), ensuring lap receives rubberized asphalt.

Reinforce all non-moving cracks and joints 3/16" (4.8mm) to 1/2" (12mm) in width with minimum 6" (150mm) wide strip of N-FLASH or FLASH SA embedded in 90-mil (2.3mm) thick by 9" (225mm) wide tack coat of STRATASEAL HR. Embed the reinforcing while the tack coat is still warm and tacky. Overlap reinforcing strip ends a minimum 2" (50mm), ensuring lap receives rubberized asphalt.

Precast Deck Joints: Reinforce all non-moving, grouted precast deck joints with a minimum 6" (150mm) wide strip of N-FLASH or FLASH SA embedded in 90-mil (2.3mm) thick by 9" (225mm) wide tack coat of STRATASEAL HR. Embed the reinforcing while the tack coat is still warm and tacky. Overlap reinforcing strip ends a minimum 2" (50mm), ensuring lap receives rubberized asphalt.

- Base Coat:** Apply minimum 90-mil (2.3mm) thick base layer of Strataseal HR hot applied rubberized asphalt membrane as a continuous monolithic coat over entire area to be waterproofed; including all crack and joint detailing and flashing interfaces.
- Reinforcement:** While the base layer is still warm and tacky, fully embed a layer of Stratabond 100 reinforcement fabric into the top surface of the 90-mil base coat; overlapping fabric seams a minimum ½" to 1" (25mm) and ensuring a layer of membrane between overlaps. Firmly press the reinforcing fabric into the base layer of Strataseal HR membrane.
- Top Coat:** Apply minimum 125-mil (3.2mm) thick top layer of Strataseal HR hot applied rubberized asphalt membrane over the reinforcing fabric in a continuous monolithic coat. Total minimum membrane thickness shall be 215-mils (5.5mm) thick over entire area to be waterproofed.
- Protection Layer:** Unroll and embed RAP 100, and RAP 200 into the membrane ensuring a good bond.
Overlap the laps and seams 3" and seal with Strataseal HR hot applied rubberized asphalt in the seams and laps.
- 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:** 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:** Structural concrete slab. Minimum 2500 psi.
- Maximum Design Pressure:** -75 psf (See General Limitation #9)

Deck Type 3 Concrete Decks, Roof Plaza Decks, Parking Decks

Deck Description: Min. 2500 psi structural concrete

System Type A(3): Strataseal HR – Reinforced Assembly

Substrate: Cast-in-place concrete or composition decks must be monolithic, smooth, and free of voids, spalled areas, laitance, honeycombs, and protrusions. New concrete should be cured 28-days with a light brush or wood float finish texture. A steel float finish will provide too smooth of a surface for proper adhesion of the waterproofing materials, therefore concrete surfaces that have a steel float finish must be mechanically treated prior to the application of the waterproof material.

Remove all dirt, debris, oil, grease, cement laitance or other foreign matter which will impair the adhesion and performance of the waterproofing membrane.

Protect adjacent work areas and finished surfaces from damage or contamination during installation operations.

Expansion joints should be sealed with applicable expansion joint material. Detail waterproofing membrane to expansion joint per manufacturer's standard details.

Primer: Apply primer per manufacturer's guidelines to all surfaces to receive Strataseal HR waterproofing membrane. Allow primer to dry prior to installing the membrane. The surface of the concrete will look discolored, but not blackened. Do not allow the primer to pool or become contaminated. Note: Membrane will not adhere properly to wet primer.

**Membrane
Flashing:**

All details and flashings must be completed in accordance with Manufacturers most recent installation guidelines and detail drawings. Non-moving cracks and joints up to 1/16" (1.6mm) require no special treatment.

Reinforce all non-moving cracks and joints 1/16" (1.6mm) to 3/16" (4.8mm) in width with minimum 6" (150mm) wide strip of FLASH SA or a minimum 6" (150mm) wide strip of STRATABOND 100 fabric reinforcement embedded in 90-mil (2.3mm) thick by 9" (225mm) wide tack coat of STRATASEAL HR. Embed the reinforcing while the tack coat is still warm and tacky. Overlap reinforcing strip ends a minimum 2" (50mm), ensuring lap receives rubberized asphalt.

Reinforce all non-moving cracks and joints 3/16" (4.8mm) to 1/2" (12mm) in width with minimum 6" (150mm) wide strip of N-FLASH or FLASH SA embedded in 90-mil (2.3mm) thick by 9" (225mm) wide tack coat of STRATASEAL HR. Embed the reinforcing while the tack coat is still warm and tacky. Overlap reinforcing strip ends a minimum 2" (50mm), ensuring lap receives rubberized asphalt.

Precast Deck Joints: Reinforce all non-moving, grouted precast deck joints with a minimum 6" (150mm) wide strip of N-FLASH or FLASH SA embedded in 90-mil (2.3mm) thick by 9" (225mm) wide tack coat of STRATASEAL HR. Embed the reinforcing while the tack coat is still warm and tacky. Overlap reinforcing strip ends a minimum 2" (50mm), ensuring lap receives rubberized asphalt.

- Base Coat:** Apply minimum 90-mil (2.3mm) thick base layer of Strataseal HR hot applied rubberized asphalt membrane as a continuous monolithic coat over entire area to be waterproofed; including all crack and joint detailing and flashing interfaces.
- Reinforcement:** While the base layer is still warm and tacky, fully embed a layer of Stratabond 100 reinforcement fabric into the top surface of the 90-mil base coat; overlapping fabric seams a minimum ½" to 1" (25mm) and ensuring a layer of membrane between overlaps. Firmly press the reinforcing fabric into the base layer of Strataseal HR membrane.
- Top Coat:** Apply minimum 125-mil (3.2mm) thick top layer of Strataseal HR hot applied rubberized asphalt membrane over the reinforcing fabric in a continuous monolithic coat. Total minimum membrane thickness shall be 215-mils (5.5mm) thick over entire area to be waterproofed.
- Protection Layer:** Unroll and embed RAP 100 into the membrane ensuring a good bond. Overlap the laps and seams 3" and seal with Strataseal HR hot applied rubberized asphalt in the seams and laps.
- 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:** 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:** 2" thick Dow STYROFOAM shall be set into a 90 mil tack coat of Strataseal HR. Pavers (2'x2'x2" pre-manufactured concrete pavers) shall be set into a 90 mil tack coat of Strataseal HR adhering them to the Dow STYROFOAM insulation.
- Maximum Design Pressure:** -97.5 psf (See General Limitation #9)

Deck Type 3 Concrete Decks, Roof Plaza Decks, Parking Decks

Deck Description: Min. 2500 psi structural concrete

System Type A(4): Strataseal HR – Reinforced Assembly

Substrate: Cast-in-place concrete or composition decks must be monolithic, smooth, and free of voids, spalled areas, laitance, honeycombs, and protrusions. New concrete should be cured 28-days with a light brush or wood float finish texture. A steel float finish will provide too smooth of a surface for proper adhesion of the waterproofing materials, therefore concrete surfaces that have a steel float finish must be mechanically treated prior to the application of the waterproof material.

Remove all dirt, debris, oil, grease, cement laitance or other foreign matter which will impair the adhesion and performance of the waterproofing membrane.

Protect adjacent work areas and finished surfaces from damage or contamination during installation operations.

Expansion joints should be sealed with applicable expansion joint material. Detail waterproofing membrane to expansion joint per manufacturer’s standard details.

Primer: Apply primer per manufacturer’s guidelines to all surfaces to receive Strataseal HR waterproofing membrane. Allow primer to dry prior to installing the membrane. The surface of the concrete will look discolored, but not blackened. Do not allow the primer to pool or become contaminated. Note: Membrane will not adhere properly to wet primer.

Membrane Flashing: All details and flashings must be completed in accordance with Manufacturers most recent installation guidelines and detail drawings. Non-moving cracks and joints up to 1/16” (1.6mm) require no special treatment.

Reinforce all non-moving cracks and joints 1/16" (1.6mm) to 3/16" (4.8mm) in width with minimum 6" (150mm) wide strip of FLASH SA or a minimum 6" (150mm) wide strip of STRATABOND 100 fabric reinforcement embedded in 90-mil (2.3mm) thick by 9" (225mm) wide tack coat of STRATASEAL HR. Embed the reinforcing while the tack coat is still warm and tacky. Overlap reinforcing strip ends a minimum 2" (50mm), ensuring lap receives rubberized asphalt.

Reinforce all non-moving cracks and joints 3/16" (4.8mm) to 1/2" (12mm) in width with minimum 6" (150mm) wide strip of N-FLASH or FLASH SA embedded in 90-mil (2.3mm) thick by 9" (225mm) wide tack coat of STRATASEAL HR. Embed the reinforcing while the tack coat is still warm and tacky. Overlap reinforcing strip ends a minimum 2" (50mm), ensuring lap receives rubberized asphalt.

Precast Deck Joints: Reinforce all non-moving, grouted precast deck joints with a minimum 6" (150mm) wide strip of N-FLASH or FLASH SA embedded in 90-mil (2.3mm) thick by 9" (225mm) wide tack coat of STRATASEAL HR. Embed the reinforcing while the tack coat is still warm and tacky. Overlap reinforcing strip ends a minimum 2" (50mm), ensuring lap receives rubberized asphalt.

- Base Coat:** Apply minimum 90-mil (2.3mm) thick base layer of Strataseal HR hot applied rubberized asphalt membrane as a continuous monolithic coat over entire area to be waterproofed; including all crack and joint detailing and flashing interfaces.
- Reinforcement:** While the base layer is still warm and tacky, fully embed a layer of Stratabond 100 reinforcement fabric into the top surface of the 90-mil base coat; overlapping fabric seams a minimum ½" to 1" (25mm) and ensuring a layer of membrane between overlaps. Firmly press the reinforcing fabric into the base layer of Strataseal HR membrane.
- Top Coat:** Apply minimum 125-mil (3.2mm) thick top layer of Strataseal HR hot applied rubberized asphalt membrane over the reinforcing fabric in a continuous monolithic coat. Total minimum membrane thickness shall be 215-mils (5.5mm) thick over entire area to be waterproofed.
- Protection Layer:** Unroll and embed RAP 200 into the membrane ensuring a good bond. Overlap the laps and seams 3" and seal with Strataseal HR hot applied rubberized asphalt in the seams and laps.
- 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:** 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:** 2" thick Dow STYROFOAM shall be set into a 90 mil tack coat of Strataseal HR. Pavers (2'x2'x2" pre-manufactured concrete pavers) shall be set into a 90 mil tack coat of Strataseal HR adhering them to the Dow STYROFOAM insulation.
- Maximum Design Pressure:** -185 psf (See General Limitation #9)

Deck Type 3 Concrete Decks, Roof Plaza Decks, Parking Decks

Deck Description: Min. 2500 psi structural concrete

System Type F(1): Strataseal HR – Basic Assembly (Unreinforced)

Substrate: Cast-in-place concrete or composition decks must be monolithic, smooth, and free of voids, spalled areas, laitance, honeycombs, and protrusions. New concrete should be cured 28-days with a light brush or wood float finish texture. A steel float finish will provide too smooth of a surface for proper adhesion of the waterproofing materials, therefore concrete surfaces that have a steel float finish must be mechanically treated prior to the application of the waterproof material.

Remove all dirt, debris, oil, grease, cement laitance or other foreign matter which will impair the adhesion and performance of the waterproofing membrane.

Protect adjacent work areas and finished surfaces from damage or contamination during installation operations.

Expansion joints should be sealed with applicable expansion joint material. Detail waterproofing membrane to expansion joint per manufacturer’s standard details.

Primer: Apply primer per manufacturer’s guidelines to all surfaces to receive Strataseal HR waterproofing membrane. Allow primer to dry prior to installing the membrane. The surface of the concrete will look discolored, but not blackened. Do not allow the primer to pool or become contaminated. Note: Membrane will not adhere properly to wet primer.

Membrane Flashing: All details and flashings must be completed in accordance with Manufacturers most recent installation guidelines and detail drawings. Non-moving cracks and joints up to 1/16” (1.6mm) require no special treatment.

Reinforce all non-moving cracks and joints 1/16” (1.6mm) to 3/16” (4.8mm) in width with minimum 6” (150mm) wide strip of FLASH SA or a minimum 6” (150mm) wide strip of STRATABOND 100 fabric reinforcement embedded in 90-mil (2.3mm) thick by 9” (225mm) wide tack coat of STRATASEAL HR. Embed the reinforcing while the tack coat is still warm and tacky. Overlap reinforcing strip ends a minimum 2” (50mm), ensuring lap receives rubberized asphalt.

Reinforce all non-moving cracks and joints 3/16” (4.8mm) to 1/2” (12mm) in width with minimum 6” (150mm) wide strip of N-FLASH or FLASH SA embedded in 90-mil (2.3mm) thick by 9” (225mm) wide tack coat of STRATASEAL HR. Embed the reinforcing while the tack coat is still warm and tacky. Overlap reinforcing strip ends a minimum 2” (50mm), ensuring lap receives rubberized asphalt.

Precast Deck Joints: Reinforce all non-moving, grouted precast deck joints with a minimum 6” (150mm) wide strip of N-FLASH or FLASH SA embedded in 90-mil (2.3mm) thick by 9” (225mm) wide tack coat of STRATASEAL HR. Embed the reinforcing while the tack coat is still warm and tacky. Overlap reinforcing strip ends a minimum 2” (50mm), ensuring lap receives rubberized asphalt.

- Base Coat:** Apply minimum 180-mil (2.3mm) thick base layer of Strataseal HR hot applied rubberized asphalt membrane as a continuous monolithic coat over entire area to be waterproofed; including all crack and joint detailing and flashing interfaces.
- Protection Layer:** Unroll and embed RAP 100, or RAP 200 into the membrane ensuring a good bond. Overlap the laps and seams 3” and seal with Strataseal HR hot applied rubberized asphalt in the seams and laps.
- 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:** 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:** Structural concrete slab. Minimum 2500 psi.
- Maximum Design Pressure:** -75 psf (See General Limitation #9)

Deck Type 3	Concrete Decks, Roof Plaza Decks, Parking Decks
Deck Description:	Min. 2500 psi structural concrete
System Type F(2):	Strataseal HR – Basic Assembly (Unreinforced)
Substrate:	<p>Cast-in-place concrete or composition decks must be monolithic, smooth, and free of voids, spalled areas, laitance, honeycombs, and protrusions. New concrete should be cured 28-days with a light brush or wood float finish texture. A steel float finish will provide too smooth of a surface for proper adhesion of the waterproofing materials, therefore concrete surfaces that have a steel float finish must be mechanically treated prior to the application of the waterproof material.</p> <p>Remove all dirt, debris, oil, grease, cement laitance or other foreign matter which will impair the adhesion and performance of the waterproofing membrane.</p> <p>Protect adjacent work areas and finished surfaces from damage or contamination during installation operations.</p> <p>Expansion joints should be sealed with applicable expansion joint material. Detail waterproofing membrane to expansion joint per manufacturer's standard details.</p>
Primer:	<p>Apply primer per manufacturer's guidelines to all surfaces to receive Strataseal HR waterproofing membrane. Allow primer to dry prior to installing the membrane. The surface of the concrete will look discolored, but not blackened. Do not allow the primer to pool or become contaminated. Note: Membrane will not adhere properly to wet primer.</p>
Membrane Flashing:	<p>All details and flashings must be completed in accordance with Manufacturers most recent installation guidelines and detail drawings. Non-moving cracks and joints up to 1/16" (1.6mm) require no special treatment.</p> <p>Reinforce all non-moving cracks and joints 1/16" (1.6mm) to 3/16" (4.8mm) in width with minimum 6" (150mm) wide strip of FLASH SA or a minimum 6" (150mm) wide strip of STRATABOND 100 fabric reinforcement embedded in 90-mil (2.3mm) thick by 9" (225mm) wide tack coat of STRATASEAL HR. Embed the reinforcing while the tack coat is still warm and tacky. Overlap reinforcing strip ends a minimum 2" (50mm), ensuring lap receives rubberized asphalt.</p> <p>Reinforce all non-moving cracks and joints 3/16" (4.8mm) to 1/2" (12mm) in width with minimum 6" (150mm) wide strip of N-FLASH or FLASH SA embedded in 90-mil (2.3mm) thick by 9" (225mm) wide tack coat of STRATASEAL HR. Embed the reinforcing while the tack coat is still warm and tacky. Overlap reinforcing strip ends a minimum 2" (50mm), ensuring lap receives rubberized asphalt.</p> <p>Precast Deck Joints: Reinforce all non-moving, grouted precast deck joints with a minimum 6" (150mm) wide strip of N-FLASH or FLASH SA embedded in 90-mil (2.3mm) thick by 9" (225mm) wide tack coat of STRATASEAL HR. Embed the reinforcing while the tack coat is still warm and tacky. Overlap reinforcing strip ends a minimum 2" (50mm), ensuring lap receives rubberized asphalt.</p>

- Base Coat:** Apply minimum 180-mil (2.3mm) thick base layer of Strataseal HR hot applied rubberized asphalt membrane as a continuous monolithic coat over entire area to be waterproofed; including all crack and joint detailing and flashing interfaces.
- Protection Layer:** Unroll and embed RAP 100 into the membrane ensuring a good bond. Overlap the laps and seams 3” and seal with Strataseal HR hot applied rubberized asphalt in the seams and laps.
- 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:** 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:** 2” thick Dow STYROFOAM shall be set into a 90 mil tack coat of Strataseal HR. Pavers (2’x2’x2” pre-manufactured concrete pavers) shall be set into a 90 mil tack coat of Strataseal HR adhering them to the Dow STYROFOAM insulation.
- Maximum Design Pressure:** -155 psf (See General Limitation #9)



Deck Type 3 Concrete Decks, Roof Plaza Decks, Parking Decks

Deck Description: Min. 2500 psi structural concrete

System Type F(3): Strataseal HR – Basic Assembly (Unreinforced)

Substrate: Cast-in-place concrete or composition decks must be monolithic, smooth, and free of voids, spalled areas, laitance, honeycombs, and protrusions. New concrete should be cured 28-days with a light brush or wood float finish texture. A steel float finish will provide too smooth of a surface for proper adhesion of the waterproofing materials, therefore concrete surfaces that have a steel float finish must be mechanically treated prior to the application of the waterproof material. Remove all dirt, debris, oil, grease, cement laitance or other foreign matter which will impair the adhesion and performance of the waterproofing membrane. Protect adjacent work areas and finished surfaces from damage or contamination during installation operations. Expansion joints should be sealed with applicable expansion joint material. Detail waterproofing membrane to expansion joint per manufacturer’s standard details.

Primer: Apply primer per manufacturer’s guidelines to all surfaces to receive Strataseal HR waterproofing membrane. Allow primer to dry prior to installing the membrane. The surface of the concrete will look discolored, but not blackened. Do not allow the primer to pool or become contaminated. Note: Membrane will not adhere properly to wet primer.

Membrane All details and flashings must be completed in accordance with Manufacturers most recent installation guidelines and detail drawings. Non-moving cracks and joints up to 1/16” (1.6mm) require no special treatment. Reinforce all non-moving cracks and joints 1/16” (1.6mm) to 3/16” (4.8mm) in width with minimum 6” (150mm) wide strip of FLASH SA or a minimum 6” (150mm) wide strip of STRATABOND 100 fabric reinforcement embedded in 90-mil (2.3mm) thick by 9” (225mm) wide tack coat of STRATASEAL HR. Embed the reinforcing while the tack coat is still warm and tacky. Overlap reinforcing strip ends a minimum 2” (50mm), ensuring lap receives rubberized asphalt. Reinforce all non-moving cracks and joints 3/16” (4.8mm) to 1/2” (12mm) in width with minimum 6” (150mm) wide strip of N-FLASH or FLASH SA embedded in 90-mil (2.3mm) thick by 9” (225mm) wide tack coat of STRATASEAL HR. Embed the reinforcing while the tack coat is still warm and tacky. Overlap reinforcing strip ends a minimum 2” (50mm), ensuring lap receives rubberized asphalt. Precast Deck Joints: Reinforce all non-moving, grouted precast deck joints with a minimum 6” (150mm) wide strip of N-FLASH or FLASH SA embedded in 90-mil (2.3mm) thick by 9” (225mm) wide tack coat of STRATASEAL HR. Embed the reinforcing while the tack coat is still warm and tacky. Overlap reinforcing strip ends a minimum 2” (50mm), ensuring lap receives rubberized asphalt.



- Base Coat:** Apply minimum 180-mil (2.3mm) thick base layer of Strataseal HR hot applied rubberized asphalt membrane as a continuous monolithic coat over entire area to be waterproofed; including all crack and joint detailing and flashing interfaces.
- Protection Layer:** Unroll and embed RAP 200 into the membrane ensuring a good bond. Overlap the laps and seams 3” and seal with Strataseal HR hot applied rubberized asphalt in the seams and laps.
- 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:** 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:** 2” thick Dow STYROFOAM shall be set into a 90 mil tack coat of Strataseal HR. Pavers (2’x2’x2” pre-manufactured concrete pavers) shall be set into a 90 mil tack coat of Strataseal HR adhering them to the Dow STYROFOAM insulation.
- Maximum Design Pressure:** -130 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. Required integrity flood testing shall be provided to the Building Official for review at time of final inspection.
3. CETCO Strataseal HR systems shall not be exposed and shall be protected by a protection layer or other approved protection course from traffic.
4. System shall not be installed over lightweight insulating concrete.
5. Flashings shall be installed according to the manufacturers published standard details, specific details, approved by CETCO, shall be submitted to the Building Official for review.
6. CETCO Strataseal HR shall not be installed without consultation with CETCO if ambient or surface temperature is below 0°F. Do not apply to wet or frozen concrete surface.
7. 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.
8. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 9B-72 of the Florida Administrative Code.
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).
10. All approved products listed herein shall be labeled in compliance with TAS 121 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

