MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
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DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

# NOTICE OF ACCEPTANCE (NOA)

**Henry A Carlisle Company**
**336 Cold Stream Rd.**
**Kimberton, PA 19442**

## 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: Henry® CM100 Elastomeric Fluid Waterproofing/Roofing 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 renews and revises NOA 19-1125.03 and consists of pages 1 through 21.
The submitted documentation was reviewed by Jorge L. Acebo.

10/24/24

## ROOFING WATERPROOFING APPROVAL

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| **Category:** | Roofing |
| **Sub-Category:** | Waterproofing |
| **Material:** | Elastomeric |
| **Deck Type:** | Concrete |
| **Maximum Design Pressure:** | -502.5 psf. |

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

| Product | Dimensions | Test Specifications | Product Description |
|---|---|---|---|
| **Henry® CM100 Cold Fluid Applied Membrane** | 5 gallon Pail | ASTM C836 | One component elastomeric, solvent free, moisture cure waterproofing membrane |
| **Henry® modifiedPLUS® G100s/s Protection Sheet** | 39.4" x 26.2', 32.8', 49.2' Roll | ASTM D6163 | Sand surfaced, non-exposed mop- or cold-applied SBS protection sheet |
| **Henry® 990-25 Elastomeric Flashing Sheet** | 6", 12", 18", 24", 36" x 75' Roll | Proprietary | Unreinforced flexible flashing membrane |
| **Henry® Aqua-Bloc® PUMA Liquid Applied Flashing System** | 2 gallon Pail | Proprietary | Two-part, rapid-curing, PUMA liquid-applied flashing membrane |
| **Henry® Polyester Fabric Reinforcement Sheet** | 12" x 600' Roll<br>36" x 600' Roll | Proprietary | Polyester spunbound reinforcement fabric |
| **Henry® Filter Fabric NO3/NO4** | 12.5' x 360' Roll<br>12.5' x 400' Roll | Proprietary | Non-woven geotextile filter fabric |
| **Henry® ROOTBLOC™ Root Barrier** | 12' x 200' Roll | Proprietary | Polyethylene composite geo-membrane barrier against root penetration |
| **Henry® DB Drainage Composite** | 36" x 100' Roll<br>48" x 50' Roll | Proprietary | Two-part prefabricated geo-composite drain board |
| **Henry® Filter Fabric GR08** | 4' x 300'Roll | Proprietary | Vapor permeable waterproofing membrane protection course |

## TRADE NAMES OF PRODUCTS MANUFACTURED BY OTHERS:

| Product | Dimensions | Test Specifications | Product Description |
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| Expanded Polystyrene (EPS) Insulation Board | 4' x 4'<br>4' x 8' | Proprietary | Generic expanded polystyrene with minimum 40 psi compressive strength |
| Asphaltic Rigid Protection Board | 4' x 5'<br>4' x 8' | Proprietary | Generic board with a mineral-filled, asphalt core between fiberglass mats. |

## EVIDENCE SUBMITTED:

| Test Agency | Test Name/Report | Test Identifier | Date |
|---|---|---|---|
| PRI Construction Materials Technologies, LLC | ASTM C836<br>TAS 114 App D | 447T0011<br>HGC-224-02-01 | 06/01/20<br>02/05/15 |
| UL LLC | R12316 | UL 790 | 10/03/24 |

## APPROVED ASSEMBLIES

**Deck Type 3:** Concrete Deck, Non-Insulated

**Deck Description:** Min. 2500 psi, dual slab construction (roof plaza and parking decks)

**System Type F(1):** HENRY CM100, Reinforced or unreinforced systems

**Surface Condition:** Acceptable substrates include cast-in-place concrete/composite deck, precast concrete, lightweight structural concrete, and sheathing over steel deck. Lightweight insulating concrete is not an acceptable substrate. Metal pan decks into which concrete is poured are strongly recommended to be venting type. All substrates shall be reviewed and determined to be in accordance with Henry A Carlisle Company's current published recommendations.

The waterproofing contractor shall examine and determine that surfaces and conditions are ready to accept the work according to Henry A Carlisle Company's current published application instructions. Commencement of the work or any parts thereof shall mean installer acceptance of the substrate.

All surfaces must be sound, dry, clean and free of oil, grease, dirt, excess mortar, frost or other contaminants. Fill spalled areas in substrate to provide an even plane and remove spalling concrete. Remove curing compounds or any foreign matter detrimental to the adhesion of the primary waterproofing membrane or membrane flashings.

Prefabricated expansion joint assemblies should be in place prior to the application of the primary waterproofing assembly.

**Flashing:** All prepared cracks, expansion joints, concrete panel joints, horizontal-to-vertical junctures, penetrations, and drains shall be flashed with Henry® AQUA-BLOC® PUMA System, Henry® 990-25, or Henry® Polyester Fabric set in wet Henry® CM100 cold fluid applied waterproofing membrane according to the manufacturer's current published application instructions prior to the application of the primary waterproofing assembly.

**Base Coat:** Apply Henry® CM100 cold fluid applied waterproofing membrane at a minimum thickness of 60 mils according to the manufacturer's current published application instructions.

**Reinforcement:** For reinforced system, embed Henry® Polyester Fabric reinforcing sheet into the wet Henry® CM100 cold fluid applied waterproofing membrane base coat according to the manufacturer's current published application instructions. No reinforcement required for unreinforced system.

**Top Coat:** For reinforced system, apply Henry® CM100 cold fluid applied waterproofing membrane at a minimum thickness of 60 mils over the reinforcing sheet according to the manufacturer's current published application instructions. Total membrane thickness for reinforced system shall not be less than 120 mils. No top coat required for unreinforced system.

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| **Protection Course:** | Apply Henry® GR08® Protection Fabric, Henry® modifiedPLUS® G100s/s, Henry® DB Drainage Composite, polypropylene protection board, or asphaltic rigid protection board over Henry® CM100 cold fluid applied waterproofing membrane top coat 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 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. |
| **Filter Fabric:** | (Optional) Apply Henry® Filter Fabric NO3/NO4 according to the manufacturer's current published application instructions. |
| **Surfacing:** | Structural concrete slab, minimum 2500 psi shall be designed to comply with applicable Florida Building Code requirements. |
| **Maximum Design Pressure:** | N/A |

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| **Deck Type 3I:** | Concrete Decks, Insulated |
| **Deck Description:** | Min. 2500 psi, dual slab construction (roof plaza and parking decks) |
| **System Type F(2):** | HENRY CM100, Reinforced or unreinforced systems |

**Surface Condition:** Acceptable substrates include cast-in-place concrete/composite deck, precast concrete, lightweight structural concrete, and sheathing over steel deck. Lightweight insulating concrete is not an acceptable substrate. Metal pan decks into which concrete is poured are strongly recommended to be venting type. All substrates shall be reviewed and determined to be in accordance with Henry A Carlisle Company's current published recommendations.

The waterproofing contractor shall examine and determine that surfaces and conditions are ready to accept the work according to Henry A Carlisle Company's current published application instructions. Commencement of the work or any parts thereof shall mean installer acceptance of the substrate.

All surfaces must be sound, dry, clean and free of oil, grease, dirt, excess mortar, frost or other contaminants. Fill spalled areas in substrate to provide an even plane and remove spalling concrete. Remove curing compounds or any foreign matter detrimental to the adhesion of the primary waterproofing membrane or membrane flashings.

Prefabricated expansion joint assemblies should be in place prior to the application of the primary waterproofing assembly.

**Flashing:** All prepared cracks, expansion joints, concrete panel joints, horizontal-to-vertical junctures, penetrations, and drains shall be flashed with Henry® AQUA-BLOC® PUMA System, Henry® 990-25, or Henry® Polyester Fabric set in wet Henry® CM100 cold fluid applied waterproofing membrane according to the manufacturer's current published application instructions prior to the application of the primary waterproofing assembly.

**Base Coat:** Apply Henry® CM100 cold fluid applied waterproofing membrane at a minimum thickness of 60 mils according to the manufacturer's current published application instructions.

**Reinforcement:** For reinforced system, embed Henry® Polyester Fabric reinforcing sheet into the wet Henry® CM100 cold fluid applied waterproofing membrane base coat according to the manufacturer's current published application instructions. No reinforcement required for unreinforced system.

**Top Coat:** For reinforced system, apply Henry® CM100 cold fluid applied waterproofing membrane at a minimum thickness of 60 mils over the reinforcing sheet according to the manufacturer's current published application instructions. Total membrane thickness for reinforced system shall not be less than 120 mils. No top coat required for unreinforced system.

**Protection Course:** (Optional) Apply Henry® GR08® Protection Fabric, Henry® modifiedPLUS® G100s/s, Henry® DB Drainage Composite, polypropylene protection board, or asphaltic rigid protection board over Henry® CM100 cold fluid applied waterproofing membrane top coat according to the manufacturer's current published application instructions.

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| **Integrity Test:** | 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. |
| **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. |
| **Insulation:** | Apply loose-laid approved expanded polystyrene (EPS) insulation (minimum 40 psi compressive strength). |
| **Filter Fabric:** | (Optional) Apply Henry® Filter Fabric NO3/NO4 according to the manufacturer's current published application instructions. |
| **Surfacing:** | Structural concrete slab, minimum 2500 psi shall be designed to comply with applicable Florida Building Code requirements. |
| **Maximum Design Pressure:** | N/A |

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| **Deck Type 3:** | Concrete Decks, Non-Insulated |
| **Deck Description:** | Roof Plaza Decks , Planters |
| **System Type F(3):** | HENRY CM100, Reinforced or unreinforced systems |

**Surface Condition:**

Acceptable substrates include cast-in-place concrete/composite deck, precast concrete, lightweight structural concrete, and sheathing over steel deck. Lightweight insulating concrete is not an acceptable substrate. Metal pan decks into which concrete is poured are strongly recommended to be venting type. All substrates shall be reviewed and determined to be in accordance with Henry A Carlisle Company's current published recommendations.

The waterproofing contractor shall examine and determine that surfaces and conditions are ready to accept the work according to Henry A Carlisle Company's current published application instructions. Commencement of the work or any parts thereof shall mean installer acceptance of the substrate.

All surfaces must be sound, dry, clean and free of oil, grease, dirt, excess mortar, frost or other contaminants. Fill spalled areas in substrate to provide an even plane and remove spalling concrete. Remove curing compounds or any foreign matter detrimental to the adhesion of the primary waterproofing membrane or membrane flashings.

Prefabricated expansion joint assemblies should be in place prior to the application of the primary waterproofing assembly.

**Flashing:**

All prepared cracks, expansion joints, concrete panel joints, horizontal-to-vertical junctures, penetrations, and drains shall be flashed with Henry® AQUA-BLOC® PUMA System, Henry® 990-25, or Henry® Polyester Fabric set in wet Henry® CM100 cold fluid applied waterproofing membrane according to the manufacturer's current published application instructions prior to the application of the primary waterproofing assembly.

**Base Coat:**

Apply Henry® CM100 cold fluid applied waterproofing membrane at a minimum thickness of 60 mils according to the manufacturer's current published application instructions.

**Reinforcement:**

For reinforced system, embed Henry® Polyester Fabric reinforcing sheet into the wet Henry® CM100 cold fluid applied waterproofing membrane base coat according to the manufacturer's current published application instructions. No reinforcement required for unreinforced system.

**Top Coat:**

For reinforced system, apply Henry® CM100 cold fluid applied waterproofing membrane at a minimum thickness of 60 mils over the reinforcing sheet according to the manufacturer's current published application instructions. Total membrane thickness for reinforced system shall not be less than 120 mils. No top coat required for unreinforced system.

**Protection Course:**

Apply Henry® GR08® Protection Fabric, Henry® modifiedPLUS® G100s/s, Henry® DB Drainage Composite, polypropylene protection board, or asphaltic rigid protection board over Henry® CM100 cold fluid applied waterproofing membrane top coat according to the manufacturer's current published application instructions.

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| **Integrity Test:** | 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. |
| **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. |
| **Root Barrier:** | Apply Henry® ROOTBLOC™ Root Barrier according to the manufacturer's current published application instructions. |
| **Drainage Board:** | Apply Henry® DB Drainage Composite according to the manufacturer's current published application instructions. |
| **Filter Fabric:** | (Optional) Apply Henry® Filter Fabric NO3/NO4 according to the manufacturer's current published application instructions. |
| **Surfacing:** | Soil medium, minimum 24-inch deep shall be designed to comply with applicable Florida Building Code requirements. |
| **Maximum Design Pressure:** | -502.5 psf. |

**Deck Type 3I:** Concrete Decks, Insulated

**Deck Description:** Roof Plaza Decks , Planters

**System Type F(4):** HENRY CM100, Reinforced or unreinforced systems

**Surface Condition:** Acceptable substrates include cast-in-place concrete/composite deck, precast concrete, lightweight structural concrete, and sheathing over steel deck. Lightweight insulating concrete is not an acceptable substrate. Metal pan decks into which concrete is poured are strongly recommended to be venting type. All substrates shall be reviewed and determined to be in accordance with Henry A Carlisle Company's current published recommendations.

The waterproofing contractor shall examine and determine that surfaces and conditions are ready to accept the work according to Henry A Carlisle Company's current published application instructions. Commencement of the work or any parts thereof shall mean installer acceptance of the substrate.

All surfaces must be sound, dry, clean and free of oil, grease, dirt, excess mortar, frost or other contaminants. Fill spalled areas in substrate to provide an even plane and remove spalling concrete. Remove curing compounds or any foreign matter detrimental to the adhesion of the primary waterproofing membrane or membrane flashings.

Prefabricated expansion joint assemblies should be in place prior to the application of the primary waterproofing assembly.

**Flashing:** All prepared cracks, expansion joints, concrete panel joints, horizontal-to-vertical junctures, penetrations, and drains shall be flashed with Henry® AQUA-BLOC® PUMA System, Henry® 990-25, or Henry® Polyester Fabric set in wet Henry® CM100 cold fluid applied waterproofing membrane according to the manufacturer's current published application instructions prior to the application of the primary waterproofing assembly.

**Base Coat:** Apply Henry® CM100 cold fluid applied waterproofing membrane at a minimum thickness of 60 mils according to the manufacturer's current published application instructions.

**Reinforcement:** For reinforced system, embed Henry® Polyester Fabric reinforcing sheet into the wet Henry® CM100 cold fluid applied waterproofing membrane base coat according to the manufacturer's current published application instructions. No reinforcement required for unreinforced system.

**Top Coat:** For reinforced system, apply Henry® CM100 cold fluid applied waterproofing membrane at a minimum thickness of 60 mils over the reinforcing sheet according to the manufacturer's current published application instructions. Total membrane thickness for reinforced system shall not be less than 120 mils. No top coat required for unreinforced system.

**Protection Course:** (Optional) Apply Henry® GR08® Protection Fabric, Henry® modifiedPLUS® G100s/s, Henry® DB Drainage Composite, polypropylene protection board, or asphaltic rigid protection board over Henry® CM100 cold fluid applied waterproofing membrane top coat according to the manufacturer's current published application instructions.

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| **Integrity Test:** | 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. |
| **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. |
| **Root Barrier:** | Apply Henry® ROOTBLOC™ Root Barrier according to the manufacturer's current published application instructions. |
| **Drainage Board:** | (Optional) Apply Henry® DB Drainage Composite according to the manufacturer's current published application instructions. |
| **Insulation:** | Apply loose-laid approved expanded polystyrene (EPS) insulation (minimum 40 psi compressive strength). |
| **Drainage Board:** | Apply Henry® DB Drainage Composite according to the manufacturer's current published application instructions. |
| **Filter Fabric:** | (Optional) Apply Henry® Filter Fabric NO3/NO4 according to the manufacturer's current published application instructions. |
| **Surfacing:** | Soil medium, minimum 24-inch deep shall be designed to comply with applicable Florida Building Code requirements. |
| **Maximum Design Pressure:** | -502.5 psf. |

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| **Deck Type 3:** | Concrete Decks, Non-Insuleted |
| **Deck Description:** | Min. 2500 psi concrete |
| **System Type F(5):** | HENRY CM100, Reinforced system with Concrete Pavers |
| **Surface Condition:** | Acceptable substrates include cast-in-place concrete/composite deck, precast concrete, lightweight structural concrete, and sheathing over steel deck. Lightweight insulating concrete is not an acceptable substrate. Metal pan decks into which concrete is poured are strongly recommended to be venting type. All substrates shall be reviewed and determined to be in accordance with Henry A Carlisle Company's current published recommendations.<br><br>The waterproofing contractor shall examine and determine that surfaces and conditions are ready to accept the work according to Henry A Carlisle Company's current published application instructions. Commencement of the work or any parts thereof shall mean installer acceptance of the substrate.<br><br>All surfaces must be sound, dry, clean and free of oil, grease, dirt, excess mortar, frost or other contaminants. Fill spalled areas in substrate to provide an even plane and remove spalling concrete. Remove curing compounds or any foreign matter detrimental to the adhesion of the primary waterproofing membrane or membrane flashings.<br><br>Prefabricated expansion joint assemblies should be in place prior to the application of the primary waterproofing assembly. |
| **Flashing:** | All prepared cracks, expansion joints, concrete panel joints, horizontal-to-vertical junctures, penetrations, and drains shall be flashed with Henry® AQUA-BLOC® PUMA System, Henry® 990-25, or Henry® Polyester Fabric set in wet Henry® CM100 cold fluid applied waterproofing membrane according to the manufacturer's current published application instructions prior to the application of the primary waterproofing assembly. |
| **Base Coat:** | Apply Henry® CM100 cold fluid applied waterproofing membrane at a minimum thickness of 60 mils according to the manufacturer's current published application instructions. |
| **Reinforcement:** | Embed Henry® Polyester Fabric reinforcing sheet into the wet Henry® CM100 cold fluid applied waterproofing membrane base coat according to the manufacturer's current published application instructions. |
| **Top Coat:** | Apply Henry® CM100 cold fluid applied waterproofing membrane at a minimum thickness of 60 mils over the reinforcing sheet according to the manufacturer's current published application instructions. Total membrane thickness for reinforced system shall not be less than 120 mils. |
| **Integrity Test:** | 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. |
| **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:** | Pavers (minimum 24" x 24" x 2" thick concrete pavers) secured in ASTM C270, Type S mortar bed. |
| **Maximum Design Pressure:** | -502.5 psf |

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| **Deck Type 3:** | Concrete Decks, Non-Insulated |
| **Deck Description:** | Min. 2500 psi concrete |
| **System Type F(6):** | HENRY CM100, Reinforced or unreinforced systems, with Concrete Pavers |
| **Surface Condition:** | Acceptable substrates include cast-in-place concrete/composite deck, precast concrete, lightweight structural concrete, and sheathing over steel deck. Lightweight insulating concrete is not an acceptable substrate. Metal pan decks into which concrete is poured are strongly recommended to be venting type. All substrates shall be reviewed and determined to be in accordance with Henry A Carlisle Company's current published recommendations.<br><br>The waterproofing contractor shall examine and determine that surfaces and conditions are ready to accept the work according to Henry A Carlisle Company's current published application instructions. Commencement of the work or any parts thereof shall mean installer acceptance of the substrate.<br><br>All surfaces must be sound, dry, clean and free of oil, grease, dirt, excess mortar, frost or other contaminants. Fill spalled areas in substrate to provide an even plane and remove spalling concrete. Remove curing compounds or any foreign matter detrimental to the adhesion of the primary waterproofing membrane or membrane flashings.<br><br>Prefabricated expansion joint assemblies should be in place prior to the application of the primary waterproofing assembly. |
| **Flashing:** | All prepared cracks, expansion joints, concrete panel joints, horizontal-to-vertical junctures, penetrations, and drains shall be flashed with Henry® AQUA-BLOC® PUMA System, Henry® 990-25, or Henry® Polyester Fabric set in wet Henry® CM100 cold fluid applied waterproofing membrane according to the manufacturer's current published application instructions prior to the application of the primary waterproofing assembly. |
| **Base Coat:** | Apply Henry® CM100 cold fluid applied waterproofing membrane at a minimum thickness of 60 mils according to the manufacturer's current published application instructions. |
| **Reinforcement:** | For reinforced system, embed Henry® Polyester Fabric reinforcing sheet into the wet Henry® CM100 cold fluid applied waterproofing membrane base coat according to the manufacturer's current published application instructions. No reinforcement required for unreinforced system. |
| **Top Coat:** | For reinforced system, apply Henry® CM100 cold fluid applied waterproofing membrane at a minimum thickness of 60 mils over the reinforcing sheet according to the manufacturer's current published application instructions. Total membrane thickness for reinforced system shall not be less than 120 mils. No top coat required for unreinforced system. |
| **Integrity Test:** | 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. |
| **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. |

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| **Sand:** | Apply Henry® CM100 cold fluid applied waterproofing membrane at a minimum thickness of 10 mils according to the manufacturer's current published application instructions. Broadcast silica sand to refusal over wet Henry® CM100 cold fluid applied waterproofing membrane. |
| **Surfacing:** | Pavers (minimum 12" x 12" x 1-1/2” concrete pavers) secured in ASTM C270, Type S mortar bed. |
| **Maximum Design Pressure:** | -502.5 psf |

**Deck Type 3I:** Concrete Decks, Insulated

**Deck Description:** Min. 2500 psi concrete

**System Type F(7):** HENRY CM100, Reinforced system, with Concrete Pavers

**Surface Condition:** Acceptable substrates include cast-in-place concrete/composite deck, precast concrete, lightweight structural concrete, and sheathing over steel deck. Lightweight insulating concrete is not an acceptable substrate. Metal pan decks into which concrete is poured are strongly recommended to be venting type. All substrates shall be reviewed and determined to be in accordance with Henry A Carlisle Company's current published recommendations.

The waterproofing contractor shall examine and determine that surfaces and conditions are ready to accept the work according to Henry A Carlisle Company's current published application instructions. Commencement of the work or any parts thereof shall mean installer acceptance of the substrate.

All surfaces must be sound, dry, clean and free of oil, grease, dirt, excess mortar, frost or other contaminants. Fill spalled areas in substrate to provide an even plane and remove spalling concrete. Remove curing compounds or any foreign matter detrimental to the adhesion of the primary waterproofing membrane or membrane flashings.

Prefabricated expansion joint assemblies should be in place prior to the application of the primary waterproofing assembly.

**Flashing:** All prepared cracks, expansion joints, concrete panel joints, horizontal-to-vertical junctures, penetrations, and drains shall be flashed with Henry® AQUA-BLOC® PUMA System, Henry® 990-25, or Henry® Polyester Fabric set in wet Henry® CM100 cold fluid applied waterproofing membrane according to the manufacturer's current published application instructions prior to the application of the primary waterproofing assembly.

**Base Coat:** Apply Henry® CM100 cold fluid applied waterproofing membrane at a minimum thickness of 60 mils according to the manufacturer's current published application instructions.

**Reinforcement:** Embed Henry® Polyester Fabric reinforcing sheet into the wet Henry® CM100 cold fluid applied waterproofing membrane base coat according to the manufacturer's current published application instructions.

**Top Coat:** Apply Henry® CM100 cold fluid applied waterproofing membrane at a minimum thickness of 60 mils over the reinforcing sheet according to the manufacturer's current published application instructions. Total membrane thickness for reinforced system shall not be less than 120 mils.

**Integrity Test:** 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.

**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.

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| **Insulation:** | Apply Henry® CM100 cold fluid applied waterproofing membrane over top coat in 1/2 to 3/4-inch ribbons spaced 6-inches o.c. according to the manufacturer's current published application instructions. Apply approved expanded polystyrene (EPS) insulation (minimum 40 psi compressive strength) into the wet ribbons of Henry® CM100 cold fluid applied waterproofing membrane. |
| **Surfacing:** | Pavers (minimum 12" x 12" x 1-1/2" thick concrete pavers) secured in ASTM C270, Type S mortar bed. |
| **Maximum Design Pressure:** | -242.5 psf |

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| **Deck Type 3I:** | Concrete Decks, Insulated |
| **Deck Description:** | Min. 2500 psi concrete |
| **System Type F(8):** | HENRY CM100, Reinforced system, with Concrete Pavers |

**Surface Condition:**

Acceptable substrates include cast-in-place concrete/composite deck, precast concrete, lightweight structural concrete, and sheathing over steel deck. Lightweight insulating concrete is not an acceptable substrate. Metal pan decks into which concrete is poured are strongly recommended to be venting type. All substrates shall be reviewed and determined to be in accordance with Henry A Carlisle Company's current published recommendations.

The waterproofing contractor shall examine and determine that surfaces and conditions are ready to accept the work according to Henry A Carlisle Company's current published application instructions. Commencement of the work or any parts thereof shall mean installer acceptance of the substrate.

All surfaces must be sound, dry, clean and free of oil, grease, dirt, excess mortar, frost or other contaminants. Fill spalled areas in substrate to provide an even plane and remove spalling concrete. Remove curing compounds or any foreign matter detrimental to the adhesion of the primary waterproofing membrane or membrane flashings.

Prefabricated expansion joint assemblies should be in place prior to the application of the primary waterproofing assembly.

**Flashing:**

All prepared cracks, expansion joints, concrete panel joints, horizontal-to-vertical junctures, penetrations, and drains shall be flashed with Henry® AQUA-BLOC® PUMA System, Henry® 990-25, or Henry® Polyester Fabric set in wet Henry® CM100 cold fluid applied waterproofing membrane according to the manufacturer's current published application instructions prior to the application of the primary waterproofing assembly.

**Base Coat:**

Apply Henry® CM100 cold fluid applied waterproofing membrane at a minimum thickness of 60 mils according to the manufacturer's current published application instructions.

**Reinforcement:**

Embed Henry® Polyester Fabric reinforcing sheet into the wet Henry® CM100 cold fluid applied waterproofing membrane base coat according to the manufacturer's current published application instructions.

**Top Coat:**

Apply Henry® CM100 cold fluid applied waterproofing membrane at a minimum thickness of 60 mils over the reinforcing sheet according to the manufacturer's current published application instructions. Total membrane thickness for reinforced system shall not be less than 120 mils.

**Integrity Test:**

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.

**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.

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| **Insulation:** | Apply Henry® CM100 cold fluid applied waterproofing membrane over top coat at a minimum thickness of 45 mils according to the manufacturer's current published application instructions. Apply approved expanded polystyrene (EPS) insulation (minimum 40 psi compressive strength) into the wet Henry® CM100 cold fluid applied waterproofing membrane. |
| **Surfacing:** | Pavers (minimum 12" x 12" x 1-1/2” concrete pavers) secured in ASTM C270, Type S mortar bed. |
| **Maximum Design Pressure:** | -312.5 psf |

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| **Deck Type 3:** | Concrete Decks, Non-Insulated |
| **Deck Description:** | Min. 2500 psi, slab construction (roof plaza decks) |
| **System Type F(9):** | HENRY CM100, Unreinforced system, with Ceramic Tile |
| **Surface Condition:** | Acceptable substrates include cast-in-place concrete/composite deck, precast concrete, lightweight structural concrete, and sheathing over steel deck. Lightweight insulating concrete is not an acceptable substrate. Metal pan decks into which concrete is poured are strongly recommended to be venting type. All substrates shall be reviewed and determined to be in accordance with Henry A Carlisle Company's current published recommendations.<br><br>The waterproofing contractor shall examine and determine that surfaces and conditions are ready to accept the work according to Henry A Carlisle Company's current published application instructions. Commencement of the work or any parts thereof shall mean installer acceptance of the substrate.<br><br>All surfaces must be sound, dry, clean and free of oil, grease, dirt, excess mortar, frost or other contaminants. Fill spalled areas in substrate to provide an even plane and remove spalling concrete. Remove curing compounds or any foreign matter detrimental to the adhesion of the primary waterproofing membrane or membrane flashings.<br><br>Prefabricated expansion joint assemblies should be in place prior to the application of the primary waterproofing assembly. |
| **Flashing:** | All prepared cracks, expansion joints, concrete panel joints, horizontal-to-vertical junctures, penetrations, and drains shall be flashed with Henry® AQUA-BLOC® PUMA System, Henry® 990-25, or Henry® Polyester Fabric set in wet Henry® CM100 cold fluid applied waterproofing membrane according to the manufacturer's current published application instructions prior to the application of the primary waterproofing assembly. |
| **Base Coat:** | Apply Henry® CM100 cold fluid applied waterproofing membrane at a minimum thickness of 60 mils according to the manufacturer's current published application instructions. |
| **Integrity Test:** | Required, and shall be performed in accordance with ASTM D5957 by an approved lab. |
| **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. |
| **Sand:** | Apply Henry® CM100 cold fluid applied waterproofing membrane at a minimum thickness of 10 mils according to the manufacturer's current published application instructions. Broadcast silica sand to refusal over wet Henry® CM100 cold fluid applied waterproofing membrane. |
| **Surfacing:** | Tiles (minimum 6" x 6" x $^1/_4$" ceramic tiles) secured in Laticrete 254 Platinum Thin-Set Mortar. |
| **Maximum Design Pressure:** | -502.5 psf |

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| **Deck Type 3:** | Concrete Decks, Non-Insulated |
| **Deck Description:** | Min. 2500 psi concrete |
| **System Type F(10):** | HENRY CM100, Reinforced system |
| **Surface Condition:** | Acceptable substrates include cast-in-place concrete/composite deck, precast concrete, lightweight structural concrete, and sheathing over steel deck. Lightweight insulating concrete is not an acceptable substrate. Metal pan decks into which concrete is poured are strongly recommended to be venting type. All substrates shall be reviewed and determined to be in accordance with Henry A Carlisle Company's current published recommendations.<br><br>The waterproofing contractor shall examine and determine that surfaces and conditions are ready to accept the work according to Henry A Carlisle Company's current published application instructions. Commencement of the work or any parts thereof shall mean installer acceptance of the substrate.<br><br>All surfaces must be sound, dry, clean and free of oil, grease, dirt, excess mortar, frost or other contaminants. Fill spalled areas in substrate to provide an even plane and remove spalling concrete. Remove curing compounds or any foreign matter detrimental to the adhesion of the primary waterproofing membrane or membrane flashings.<br><br>Prefabricated expansion joint assemblies should be in place prior to the application of the primary waterproofing assembly. |
| **Flashing:** | All prepared cracks, expansion joints, concrete panel joints, horizontal-to-vertical junctures, penetrations, and drains shall be flashed with Henry® AQUA-BLOC® PUMA System, Henry® 990-25, or Henry® Polyester Fabric set in wet Henry® CM100 cold fluid applied waterproofing membrane according to the manufacturer's current published application instructions prior to the application of the primary waterproofing assembly. |
| **Base Coat:** | Apply Henry® CM100 cold fluid applied waterproofing membrane at a minimum thickness of 60 mils according to the manufacturer's current published application instructions. |
| **Reinforcement:** | Embed Henry® Polyester Fabric reinforcing sheet into the wet Henry® CM100 cold fluid applied waterproofing membrane base coat according to the manufacturer's current published application instructions. |
| **Top Coat:** | Apply Henry® CM100 cold fluid applied waterproofing membrane at a minimum thickness of 60 mils over the reinforcing sheet according to the manufacturer's current published application instructions. Total membrane thickness for reinforced system shall not be less than 120 mils. |
| **Integrity Test:** | 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. |
| **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:** | -502.5 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 Henry A Carlisle 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 a Manufacturer Trained 'Qualified Applicator' approved by Henry A Carlisle Company. Henry A Carlisle Company 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. A non-skid surfacing is required for all pedestrian areas, plaza decks or balconies.
8. Henry® CM100 shall not be installed over lightweight insulating concrete .
9. Henry® CM100 shall not be exposed to the weather and shall be protected by a protection sheet or other approved protection method from traffic.
10. Henry® CM100 shall not be installed on wet or damp decks without consultation with Henry A Carlisle Company LLC.
11. 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.
12. All approved products listed herein shall be labeled and shall bear the imprint or identifiable marking of the manufacturer's name or logo, manufacturer's location, and the following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below

# END OF THIS ACCEPTANCE