



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

**MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION**
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NOTICE OF ACCEPTANCE (NOA)

Cooley, Inc.
50 Esten Avenue
Pawtucket, RI 02860

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: Cooley Standard Roofing, Cooley C3, C3FB and C3Plus PVC Single Ply Roof Systems over Wood Decks

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA# 20-1006.11 and consists of pages 1 through 13.
The submitted documentation was reviewed by Alex Tigera.

06/13/24



NOA No.: 22-0726.12
Expiration Date: 07/27/26
Approval Date: 06/13/24
Page 1 of 13

ROOFING SYSTEM APPROVAL

| | |
|---------------------------------------|------------|
| <u>Category:</u> | Roofing |
| <u>Sub-Category:</u> | Single Ply |
| <u>Material:</u> | PVC |
| <u>Deck Type:</u> | Wood |
| <u>Maximum Design Pressure</u> | -45 psf |

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

| <u>Product</u> | <u>Dimensions</u> | <u>Test Specification</u> | <u>Product Description</u> |
|---|--|---|---|
| Cooley Standard Roofing | Various | ASTM D 4434 | A single ply non-elvaloy PVC roof covering membrane. |
| Cooley Standard Perimeter Sheet 50 – 80 mil | Various | ASTM D 4434 | 40-100 mil single ply non-elvaloy PVC perimeter sheet. |
| Cooley C-3 Membrane 40-100 Mil | 78" x 108" 702 sf. roll | ASTMD 4434 | 40-100 mil thermoplastic alloy membrane field membrane. |
| Cooley C-3 Perimeter Sheet 40-100 mil | 39" x 108' 351 sf. roll | ASTM D 4434 | 40-100 mil thermoplastic alloy membrane perimeter sheet. |
| Cooley C-3 Plus Membrane 40-100 mil | 78" x 100' 650 ft. ² roll | ASTMD 4434 | 40-100 mil thermoplastic alloy membrane field membrane. |
| Cooley C-3 Plus 40-100 Mil Perimeter Sheet | 39" x 100' 325 ft. ² roll | ASTMD 4434 | 40-100 mil thermoplastic alloy membrane perimeter sheet. |
| Cooley C-3 Reinforced Flashing Membrane | 6", 8", 12", 18" & 24" variable length rolls | ASTM D 4434 | 40-100 mil thermoplastic flashing membrane. |
| Cooley Standard Roofing Reinforced Flashing | Various | ASTM D 4434 | Single Ply PVC flashing material |
| Cooley Standard Roofing Coated Metal | Various | ASTM D 4434 | Single Ply PVC membrane laminated with 24 ga. galvanized steel. |
| Cooley Standard Roofing RAM Flashing | Various | ASTM D 4434 | Single Ply PVC flashing material |
| Cooley Standard Roofing RAM Universal Corners | Various | ASTM D 4434 | Single Ply PVC flashing membrane |
| Cooley C-3 Fleece Backed Membrane | Various | ASTM D 4434 | Thermoplastic fleece backed membrane |
| Cooley C-3 Coated Metal | 4' x 8' 4' x 10' sheets | US Commercial Standard CS- 245-62 | C-3 membrane laminated 24 Ga. galvanized steel. |



TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

| <u>Product</u> | <u>Dimensions</u> | <u>Test Specification</u> | <u>Product Description</u> |
|--|--|---------------------------|---|
| Cooley C-3 Fleece Back RAM | 76" x 100' 39" x 100' 325 ft. ² roll | ASTM D 4434 | Thermoplastic fleece back membrane. Adhered applications. |
| Cooley C-3 Fleece Back RAM Flashing | 12" x 100' 100 ft. ² roll 24" x 100' 200 ft. ² roll | ASTM D 4434 | Thermoplastic fleece back membrane flashing material. |
| Cooley C-3 Fleece Back RAM Universal Corners | 14" x 14" | ASTM D 4434 | Thermoplastic fleece back membrane. Adhered applications. |
| Cooley C3 Bonding Adhesive | 5 gallon pails | proprietary | Solvent based adhesive for fully adhered RAM systems and C3PLUS roofing membrane. |
| Cooley WB Bonding Adhesive | N/A | proprietary | Water Based adhesive for fully adhered C3PLUS Roofing Membrane. |
| Cooley Coolgrip Walkway | 0.072" x 36" x 60' | proprietary | Walkway pad (roll configuration) |
| Cooley Coolgrip Heavy Duty Walkway | 0.150" x 36" x 60' | proprietary | Walkway pad (roll configuration) |

APPROVED INSULATIONS:

TABLE 2

| <u>Product Name</u> | <u>Product Description</u> | <u>Manufacturer (With Current NOA)</u> |
|---|--|---|
| ACFoam II, III | Isocyanurate Insulation | Atlas Roofing Corp. |
| ISO 95+ GL | Polyisocyanurate foam insulation | Firestone Building Products |
| ISOGARD HD Composite | Polyisocyanurate foam insulation | Firestone Building Products |
| EnergyGuard Perlite Roof Insulation | Perlite insulation board. | GAF Materials Corp. |
| Dens Deck, Dens Deck Prime | Silicon treated gypsum | G-P Products |
| H-Shield | Isocyanurate Insulation | Hunter Panels |
| ENRGY 3, ENRGY 3 25 PSI- | Isocyanurate Insulation | Johns Manville |
| ValuTherm | Isocyanurate insulation with fiberglass facers | Johns Manville |
| Fesco Foam | Isocyanurate Insulation with perlite facer | Johns Manville |
| DuraFoam | Isocyanurate Insulation with perlite facer | Johns Manville |
| DuraBoard | High density perlite-based cover board | Johns Manville |
| Fesco Board | Rigid perlite roof insulation board. | Johns Manville |
| Ultra-Max, Multi-Max FA-3, Thermarof Composite-3 | Polyisocyanurate foam insulation | Rmax, A Business Unit of Sika Corporation |
| Structodeck High Density Fiberboard Roof Insulation | High Density Wood Fiber insulation board. | Blue Ridge Fiberboard |



APPROVED FASTENERS:

TABLE 3

| <u>Fastener Number</u> | <u>Product Name</u> | <u>Product Description</u> | <u>Dimensions</u> | <u>Manufacturer (With Current NOA)</u> |
|------------------------|------------------------------------|---|---|--|
| 1. | #12 Standard Roofgrip | Insulation and membrane fastener | Various | OMG, Inc. |
| 2. | #14 Roofgrip | Membrane and Insulation Fastener | Various | OMG, Inc. |
| 3. | ASAP Roofgrip Pre-Assembled System | Insulation and membrane fastener consisting of a steel seam plate and screw. | 2- ³ / ₈ " plate & #15 Screw | OMG, Inc. |
| 4. | OMG Plastic Plate | Plastic plates for fasteners. | 3" round | OMG, Inc. |
| 5. | Dekfast DF-#14-PH3 | Insulation and membrane fastener | Various | SFS Group USA, Inc. |
| 6. | Dekfast PLT-H-2-7/8 | Galvalume AZ50 stress plate | 2- ⁷ / ₈ " x 3- ¹ / ₄ " | SFS Group USA, Inc. |
| 7. | Dekfast DF-#15-PH3 | Insulation and membrane fastener | Various | SFS Group USA, Inc. |
| 8. | isofast PLT-R-2-3/8-BL | Square or oblong Galvalume steel plates for use with Dekfast DF-#15-PH3 fasteners | Various | SFS Group USA, Inc. |
| 9. | #15 Roofgrip | Insulation and membrane fastener | #15 | OMG, Inc. |
| 10. | OMG 2-3/8" Barbed XHD Plate | Galvalume stress plate | 2- ³ / ₈ " | OMG, Inc. |
| 11. | Trufast #15 EHD Fasteners | Insulation and membrane fastener | Various | Altenloh, Brinck & Co. |
| 12. | Trufast 2.4" Barbed Seam Plate | Galvalume stress plate | 2.4" | Altenloh, Brinck & Co. |
| 13. | Maxload Fasteners | Insulation and membrane fastener | Various | OMG, Inc. |
| 14. | OMG Super XHD | Insulation and membrane fastener | Various | OMG, Inc. |
| 15. | OMG 2-3/4" Super XHD Barbed Plate | Galvalume stress plate | 2.75" | OMG, Inc. |
| 16. | #15 Roofgrip | Insulation and membrane fastener | Various | OMG, Inc. |
| 17. | Trufast 3" Metal Insulation Plate | Galvalume stress plate | Various | Altenloh, Brinck & Co. |
| 18. | #12 Standard Stainless Steel | Insulation and membrane fastener | Various | OMG, Inc. |
| 19. | Strap Toggle | Insulation and membrane fastener | Various | OMG, Inc. |
| 20. | OMG Heavy Duty Fastener | Insulation and membrane fastener | Various | OMG, Inc. |
| 21. | AccuTrac Fastening System | Insulation and membrane fastener and plate | Various | OMG, Inc. |
| 22. | Recessed Metal Plate | Galvalume steel plate | 3" square | OMG, Inc. |
| 23. | #12 Standard Hex Head | Insulation and membrane fastener | Various | OMG, Inc. |
| 24. | Dekfast DF-#12-PH3 | Insulation and membrane fastener | Various | SFS Group USA, Inc. |
| 25. | Dekfast DF-#12-HW 1/4 | Insulation and membrane fastener | Various | SFS Group USA, Inc. |



APPROVED FASTENERS:

TABLE 3

| <u>Fastener Number</u> | <u>Product Name</u> | <u>Product Description</u> | <u>Dimensions</u> | <u>Manufacturer (With Current NOA)</u> |
|------------------------|--|---|-------------------|--|
| 26. | Dekfast PLT-P-R-3 | Insulation and membrane Plate | 3" | SFS Group USA, Inc. |
| 27. | Dekfast PLT-R-3 | Insulation and membrane Plate | 3" | SFS Group USA, Inc. |
| 28. | isofast PLT-S-2-3/4x2-3/4 | Insulation Plate | Various | SFS Group USA, Inc. |
| 29. | Dekfast DF-#12-PH3-P3 | Pre-assembled | Various | SFS Group USA, Inc. |
| 30. | Dekfast DF-#12-PH3-G3 | Pre-assembled | Various | SFS Group USA, Inc. |
| 31. | Dekfast DF-#14-PH3-P3 | Pre-assembled | Various | SFS Group USA, Inc. |
| 32. | Trufast #12 DP Fastener | Insulation and membrane fastener | Various | Altenloh, Brinck & Co. |
| 33. | Trufast #12 DPH Fastener | Insulation and membrane fastener | Various | Altenloh, Brinck & Co. |
| 34. | Trufast #14 HD Fastener | Insulation and membrane fastener | Various | Altenloh, Brinck & Co. |
| 35. | Stainless ASAP Roofgrip Pre-assembled System | Pre-assembled #12 Standard Stainless-steel fasteners with approved plates | Various | OMG, Inc. |

EVIDENCE SUBMITTED:

| <u>Test Agency/Identifier</u> | <u>Report</u> | <u>Name</u> | <u>Date</u> |
|--|---------------------------------|----------------|-------------|
| Factory Mutual Corp. | 3025170 | 4470 | 02/07/06 |
| | 3021133 | 4470 | 02/07/06 |
| | 3047298 | 4470 | 10/08/15 |
| | J.I. 0X2A9.AM | 4470 | 06/26/93 |
| | J.I. 3W1A1.AM | 4470 | 03/29/93 |
| | J.I. 1W1A9.AM | 4470 | 09/11/93 |
| | J.I. 1X3A6.AM | 4470 | 10/03/93 |
| | J.I. 1W9A2.AM | 4470 | 06/15/93 |
| | J.I. 1W2A0.AM | 4470 | 08/24/93 |
| | J.I. 3W3A4.AM | 4470 | 03/26/93 |
| | J.I. 0X8A9.AM | 4470 | 06/25/93 |
| | J.I. 1X6A5.AM | 4470 | 10/12/93 |
| | J.I. 2W5A6.AM | 4470 | 06/01/93 |
| | Underwriters Laboratories, Inc. | File R9834 (N) | UL 790 |
| PRI Construction Materials Technologies, LLC | 1702T0001 | ASTM D 4434 | 2/23/21 |
| | 1702T0005 | ASTM D 4434 | 10/08/21 |
| | 1702T0006 | ASTM D 4434 | 10/08/21 |
| Momentum Technologies, Inc. | CX23G3A | ASTM D 4434 | 7/15/15 |



APPROVED ASSEMBLIES

Membrane Type: Single Ply, PVC
Deck Type II: Wood, Insulated
Deck Description: ¹⁹/₃₂" or greater plywood or wood plank
System Type C(1): All layers of insulation simultaneously attached; C3 Plus membrane fully adhered.

All General and System Limitations apply.

One or more layers of the following insulations:

Vapor Retarder: (Optional) Any UL or FM approved vapor retarder applied to the roof deck or over a base layer of insulation.

Fire Barrier: Minimum 1/4" Dens Deck secured to the deck with the insulation.

| <u>Insulation Layer</u> | <u>Insulation Fasteners</u> <u>(Table 3)</u> | <u>Fastener</u> <u>Density/ft²</u> |
|---|--|--|
| ACFoam-II, ACFoam-III Minimum 2" thick | 1, 2, 4, 16, 18, 19, 20, 21, 22, 3, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34 | 1: 4 ft ² |
| ENRGY 3 25 PSI, ValuTherm Minimum 2" thick | 2, 16, 17, 21, 22, 3, 24, 25, 26, 27, 28, 29, 30, 31 | 1: 4 ft ² |
| ISO 95+ GL Minimum 2" thick | 2, 16, 17, 21, 22, 3, 1, 18, 19, 20, 23, Steel Plate only for OMG | 1: 4 ft ² |
| ACFoam II, ACFoam III Minimum 1.5" thick | 1, 2, 4, 16, 17, 18, 19, 20, 21, 22, 3, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34 | 1: 2 ft ² |

Note: All layers shall be simultaneously fastened. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: C3 Plus Membrane fully adhered to the insulation with Cooley C3 Bonding Adhesive applied at the rate of 0.83 gal./sq. on both the membrane and the substrate for a total of 1.67 gal./sq., and a heat welded seam minimum 1/2" wide at the laps or Cooley WB Bonding Adhesive applied at the rate of 0.67 gal/sq to the substrate.

Maximum Design Pressure: -45 psf; (See General Limitation #9.)



- Membrane Type:** Single Ply, PVC
- Deck Type 1I:** Wood, Insulated
- Deck Description:** ¹⁹/₃₂" or greater plywood or wood plank
- System Type C(2):** Multilayer Insulation System, all layers of insulation simultaneously attached; C3 Plus membrane fully adhered.

All General and System Limitations apply.

One or more layers of the Base Layer insulation covered by one layer of the insulation listed as Top Layer.

Base Insulation Layer **Insulation Fasteners** **Fastener**
(Table 3) **Density/ft²**

¾" minimum thickness: ISO 95+ GL, Thermaroom Composite-3, Fesco Foam, or DuraBoard, followed by a ½" to 1" Thermaroom Composite-3

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

| <u>Top Insulation Layer</u> | <u>Insulation Fasteners</u> <u>(Table 3)</u> | <u>Fastener</u> <u>Density/ft²</u> |
|---|--|--|
| ACFoam-II, ACFoam-III Minimum 2" thick | 1, 2, 4, 16, 18, 19, 20, 21, 22, 3, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34 | 1: 4 ft ² |
| ENRGY 3 25 PSI, ValuTherm Minimum 2" thick | 2, 16, 17, 21, 22, 3, 24, 25, 26, 27, 28, 29, 30, 31 | 1: 4 ft ² |
| ISO 95+ GL Minimum 2" thick | 2, 16, 17, 21, 22, 3, 1, 18, 19, 20, 23, Steel Plate only for OMG | 1: 4 ft ² |
| ACFoam II, ACFoam III Minimum 1.5" thick | 1, 2, 4, 16, 17, 18, 19, 20, 21, 22, 3, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34 | 1: 2 ft ² |
| EnergyGuard HD Polyiso Insulation Minimum 1" thick | 1, 4, 16, 17, 18, 19, 20, 24, | 1: 2 ft ² |

Vapor Retarder: (Optional) Any UL or FM approved vapor retarder applied to the roof deck or over a base layer of insulation.

Fire Barrier: Minimum 1/4" Dens Deck secured to the deck with the insulation.



Membrane: C3 Plus Membrane fully adhered to the insulation with Cooley C3 Bonding Adhesive applied at the rate of 0.83 gal./sq. on both the membrane and the substrate for a total of 1.67 gal./sq., and a heat welded seam minimum 1½” wide at the laps or Cooley WB Bonding Adhesive applied at the rate of 0.67 gal/sq to the substrate.

Maximum Design Pressure: -45 psf; (See General Limitation #9.)



Membrane Type: Single Ply, PVC
Deck Type II: Wood, Insulated
Deck Description: 1⁹/₃₂" or greater plywood or wood plank
System Type C(3): All layers of insulation simultaneously attached; membrane fully adhered.

All General and System Limitations apply.

One or more layers of the following insulations:

| <u>Base Insulation Layer (Optional)</u> | <u>Insulation Fasteners (Table 3)</u> | <u>Fastener Density/ft²</u> |
|--|---|--|
| ACFoam II, Ultra-Max FA-3, ENRGY 3, ENRGY 3 25 PSI, ISO-95+ GL Minimum 1.4" thick | N/A | N/A |

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

| <u>Top Insulation Layer</u> | <u>Insulation Fasteners (Table 3)</u> | <u>Fastener Density/ft²</u> |
|--|---|--|
| ISO 95 + GL, ENRGY 3, ENRGY 3 25 PSI Minimum 1.4" thick | 1 or 5 | 1:2 ft ² |
| ACFoam II, Multi-Max FA-3 Minimum 1.5" thick | 1 or 5 | 1:2 ft ² |

Vapor Retarder: (Optional) Any UL or FM approved vapor retarder applied to the roof deck or over a base layer of insulation.

Fire Barrier: Minimum 1/2" or Dens Deck secured to the deck with the insulation.

Membrane: C3 Fleece Back Roof Cover fully adhered to the insulation with Cooley C3 Bonding Adhesive applied at the rate of 1 gal./sq., or approved mopping asphalt applied at the rate of 25 lbs./sq. Optional mechanical attachment of membrane using fasteners and plates noted in System Type D spaced 36" o.c. is permitted.

Maximum Design Pressure: -45 psf; (See General Limitation #9.)



Membrane Type: Single Ply, PVC
Deck Type II: Wood, Insulated
Deck Description: 1⁹/₃₂" or greater plywood or wood plank
System Type D(1): Membrane mechanically attached over preliminary fastened insulation.

All General and System Limitations apply.

One or more layers of the following insulations:

| <u>Insulation Layer</u> | <u>Insulation Fasteners</u> <u>(Table 3)</u> | <u>Fastener Density/ft²</u> |
|--|---|--|
| EnergyGuard Perlite Roof Insulation, FescoBoard, ENRGY 3, ENRGY 3 25 PSI, Ultra-Max, Therमारoof Composite-3, ACFoam II, ISO 95+GL, Fesco Foam Minimum 1" thick | N/A | N/A |

Note: All layers of insulation and base sheet shall be simultaneously attached. See membrane below for fasteners and density. Refer to Roofing Application Standard RAS 117 for insulation attachment requirements. Insulation shall have preliminary attachment, prior to the installation of the roofing membrane. At an application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft.

Vapor Retarder: (Optional) Any UL or FM approved vapor retarder applied to the roof deck or over a base layer of insulation.

Fire Barrier: Minimum 1/4" Dens Deck secured to the deck with the insulation.

Membrane: C3 Plus Membrane attached through the preliminary attached insulation as specified below.

Fastening #1: Membrane is mechanically attached using ASAP Roofgrip Pre-Assembled System, Trufast 2.4" Barbed Metal Seam Plate with Trufast #15 EHD fasteners; OMG 2-3/8" Barbed XHD Plates with #15 Roofgrip fasteners; spaced 12" o.c. through 5" wide laps spaced in rows 73" apart. The 5" wide laps are then sealed with a min. 1-1/2" wide heat seal.

Fastening #2: Membrane is mechanically attached using Stainless ASAP Roofgrip Pre-Assembled System spaced 18" o.c. through 4 1/2" wide laps spaced in rows 48" apart. The 4 1/2" wide laps are then sealed with a min. 1 1/2" wide heat seal.

Fastening #3: Membrane is mechanically attached using ASAP Roofgrip Pre-Assembled System Plates spaced 6" o.c. through 6" wide laps spaced in rows 72" apart. The 6" wide laps are then sealed with a min. 1 1/2" wide heat seal.

Fastening #4: Membrane is applied over insulation and its 2" laps are sealed. Membrane is then mechanically attached to deck using ASAP Roofgrip Pre-Assembled System or #15 Roofgrip Fasteners and OMG Plastic Plates spaced 6" o.c. in rows 8' apart. A 6" wide strip of membrane is then heat welded over the fastener rows or a 6" dia. membrane cap may be heat welded over each fastener and plate.

Maximum Design Pressure: -45 psf; (See General Limitation #7.)



Membrane Type: Single Ply, PVC
Deck Type 1I: Wood, Insulated
Deck Description: ¹⁹/₃₂" or greater plywood or wood plank
System Type D(2): Multilayer Insulation System, Membrane mechanically attached over preliminary fastened insulation.

All General and System Limitations apply.

One or more layers of the Base Layer insulation covered by one layer of the insulation listed as Top Layer.

| <u>Base Insulation Layer</u> | <u>Insulation Fasteners</u> <u>(Table 3)</u> | <u>Fastener Density/ft²</u> |
|--|---|--|
| ENRGY 3 25 PSI, Ultra-Max, Thermarroof Composite-3, ACFoam II, ACFoam III, ISO 95+ GL, Fesco Foam or DuraBoard Minimum 1" thick | N/A | N/A |

Note: All layers of insulation and base sheet shall be simultaneously attached. See membrane below for fasteners and density. Refer to Roofing Application Standard RAS 117 for insulation attachment requirements. Insulation shall have preliminary attachment, prior to the installation of the roofing membrane. At an application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft.

Vapor Retarder: (Optional) Any UL or FM approved vapor retarder applied to the roof deck or over a base layer of insulation.

Fire Barrier: Minimum ¼" Dens Deck secured to the deck with the insulation.

Membrane: C3 Plus Membrane attached through the preliminary attached insulation as specified below.

Fastening #1: Membrane is mechanically attached using Stainless ASAP Roofgrip Pre-Assembled System spaced 18" o.c. through 4½" wide laps spaced in rows 48" apart. The 4½" wide laps are then sealed with a min. 1½" wide heat seal.

Fastening #2: Membrane is mechanically attached using ASAP Roofgrip Pre-Assembled System spaced 6" o.c. through 6" wide laps spaced in rows 72" apart. The 6" wide laps are then sealed with a min. 1½" wide heat seal.

Fastening #3: Membrane is applied over insulation and its 2" laps are sealed. Membrane is then mechanically attached to deck using ASAP Roofgrip Pre-Assembled System or #15 Roofgrip Fasteners and OMG Plastic Plates spaced 6" o.c. in rows 8' apart. A 6" wide strip of membrane is then heat welded over the fastener rows or a 6" dia. membrane cap may be heat welded over each fastener and plate.

Maximum Design Pressure: -45 psf; (See General Limitation #7.)



Membrane Type: Single Ply, PVC
Deck Type 1I: Wood, Insulated
Deck Description: ¹⁹/₃₂" or greater plywood or wood plank
System Type D(3): Membrane mechanically attached to deck through Fire Barrier.

All General and System Limitations apply.

Fire Barrier: Minimum ½" Dens Deck preliminary secured to the deck with 4 approved fasteners per board.

Membrane: C3 Membrane, Standard Roofing or C3 Fleece Backed Membrane attached through the preliminary attached Fire Barrier as specified below.

Fastening #1: Roof cover is rolled over the insulation and its 2" laps are sealed. Membrane is mechanically attached using ASAP Roofgrip Pre-Assembled System spaced 6" o.c. in rows 8 ft. apart or 12" o.c. in rows 4 ft. apart. Fastener rows are stripped in with 6" wide strips of membrane or 6" diameter membrane caps, heat or solvent welded.

Fastening #2: Membrane is mechanically attached using ASAP Roofgrip Pre-Assembled System or spaced 18" o.c. through 3" wide laps spaced 48" apart.

Fastening #3: Roof cover is rolled over the insulation and its 2" laps are sealed. Membrane is mechanically attached using the #15 Roofgrip fasteners or Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 screws spaced 18" o.c. in rows spaced 48" apart. 6" diameter membrane caps are placed over the fastener/plate head.

Fastening #4: 78" wide membrane is mechanically attached using OMG XHD Fastening System or spaced 18" o.c. through 6" wide laps spaced 72" apart.

Maximum Design Pressure: -45 psf; (See General Limitation #7.)



GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. Insulation may be installed in multiple layers. The first layer shall be attached in compliance with Product Control Approval guidelines. All other layers shall be adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq., or mechanically attached using the fastening pattern of the top layer
3. All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt, panel size shall be 4' x 4' maximum.
4. An overlay and/or recovery board insulation panel is required on all applications over closed cell foam insulations when the base sheet is fully mopped. If no recovery board is used the base sheet shall be applied using spot mopping with approved asphalt, 12" diameter circles, 24" o.c.; or strip mopped 8" ribbons in three rows, one at each side lap and one down the center of the sheet allowing a continuous area of ventilation. Encircling of the strips is not acceptable. A 6" break shall be placed every 12' in each ribbon to allow cross ventilation. Asphalt application of either system shall be at a minimum rate of 12 lbs./sq.

Note: Spot attached systems shall be limited to a maximum design pressure of -45 psf.

5. Fastener spacing for insulation attachment is based on a Minimum Characteristic Force (F') value of 275 lbf., as tested in compliance with Testing Application Standard TAS 105. If the fastener value, as field-tested, are below 275 lbf. insulation attachment shall not be acceptable.
6. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida Registered Engineer, Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Application Standard RAS 117.
7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117 and/or RAS 137. Calculations prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant **(When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)**
8. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform to Roofing Application Standard RAS 111 and applicable wind load requirements.
9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners). **(When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)**
10. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.

END OF THIS ACCEPTANCE



NOA No.: 22-0726.12
Expiration Date: 07/27/26
Approval Date: 06/13/24
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