



ROOF REPLACEMENT OF CITY WIDE ROOFS

INVITATION FOR BID # PSPW-25-11

Issuance of Solicitation: Tuesday, August 26, 2025
Questions Due Date: Tuesday, September 16, 2025
Bid Submission Deadline: Tuesday, September 30, 2025

THE CITY OF PEMBROKE PINES
PROCUREMENT DEPARTMENT
8300 SOUTH PALM DRIVE
PEMBROKE PINES, FLORIDA 33025
(954) 518-9020

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Attachments:

A - ICP Adhesives Polyset AH-160 NOA

B - Owens Corning duration shingles

C - Eagle Roofing High Profile Concrete Tile NOA

D - #30 felt NOA

E - Polyglass Polystick Underlayments NOA

F - CertainTeed Corporation SmartFlash ONE Flashing System NOA

G - CertainTeed BUR Steel NOA

H - Central campus overview

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L - R&R Village Overview

M - Sample Insurance Certificate

N - Standard Release of Lien



O - Specimen Contract - Construction Agreement



SECTION 1 - NOTICE

Notice is hereby given that the City Commission of the City of Pembroke Pines is seeking sealed proposals for:

IFB # PSPW-25-11

Roof Replacement of City Wide Roofs

Solicitations may be found on the City of Pembroke Pines website under the Procurement Department at <http://www.ppines.com/index.aspx?NID=667>, and may be downloaded directly from the OpenGov platform at <https://procurement.opengov.com/portal/pembrokepines>.

For Technical Support, proposers can reach the OpenGov Service Desk between 7:00 am to 10:00 pm from Monday through Friday via the following methods:

- Chat (preferred method): Click the button in the lower right-hand corner of the portal.
- E-mail: procurement-support@opengov.com
- Phone: 1 (650) 336-7167

If additional help is needed with downloading the solicitation package please contact the Procurement Department at (954) 518-9020 or by email at purchasing@ppines.com. The Procurement Department hours are between 7:00 am to 6:00 pm on Monday through Thursday and is located at 8300 South Palm Drive, Pembroke Pines, FL 33025.

Bidders shall submit all questions regarding this bid via the City's e-Procurement Portal, located at <https://procurement.opengov.com/portal/pembrokepines>. Please note the deadline for submitting questions. All answers will be posted on the City's e-Procurement Portal. Bidders may also click "Follow" on this bid to receive an email notification when answers are posted. It is the bidder's responsibility to check the portal for updates. Only written responses issued through the OpenGov platform will be considered official for interpretations or clarifications.

Proposals will be accepted until 2:00 pm on Tuesday, September 30, 2025, electronically at <https://procurement.opengov.com/portal/pembrokepines/projects/188510>.

Bid Opening: The sealed electronic proposals will be publicly opened at 2:30 pm, on the bid due date, by the City Clerk's Office, in the **City Clerk's Office Conference Room located on the 4th Floor in the Charles F. Dodge City Center**/City Hall Administration Building, located at 601 City Center Way, Pembroke Pines, Florida, 33025.

Virtual Bid Opening: In light of public health concerns and to ensure accessibility for all, the City encourages interested parties and the public to participate virtually via live streaming instead of attending the meeting in person. As a result, meetings may be a combination of in-person and virtual, all as provided by law. To virtually attend the bid opening, please use the Cisco Webex Meetings platform.

Virtual Meeting Details:



- WebEx Meeting Link: <https://ppines.webex.com/meet/purchasing>
- Cisco Webex Meeting Number: 717 019 586
- Join by Phone Number: +1-408-418-9388

The public may download the **Cisco Webex Meetings app** from <https://www.webex.com/downloads.html/>.

To ensure an efficient meeting process, participants are requested to mute their audio and camera during the meeting. While the public is welcome to attend the virtual bid opening, **please note that active participation and commenting will not be allowed during the proceedings.**

For further information about the bid opening or assistance in accessing the virtual meeting, please contact:

Daniel Deleon or other Procurement Staff in the Procurement Department
City of Pembroke Pines
8300 South Palm Drive,
Pembroke Pines, FL 33025
(954) 518-9020 Ext: 59021 or 954-518-9020
purchasing@ppines.com



SECTION 2 - GENERAL PROJECT INFORMATION & TIMELINE

2.1 Project Timeline

The work at Rose G. Price Park shall be completed within 45 calendar days from issuance of the City's Notice to Proceed (NTP); the work at all other locations shall be completed within 30 calendar days from issuance of the City's NTP, with the estimated start dates per location below:

Rose G Price Park / R&R Village: November 10, 2025

FSU Building C / West Campus Building I / Central Campus Building Y: June 8, 2026.

2.2 Tentative Schedule of Events

Issuance of Solicitation (Posting Date):	August 26, 2025
Pre-Bid Meeting (Mandatory):	<p>September 4, 2025, 9:00am</p> <p>The order of sites for the meeting will be as follows:</p> <ol style="list-style-type: none"> 1. R&R Village at 9:00 AM 2. Central Campus Building Y at 10:00 AM 3. FSU Building C at 11:15 AM 4. West Campus Building I at 12:30 PM 5. Rose G Price Park at 1:45 PM
Question Due Date:	September 16, 2025, 11:00pm
Issuance of Final Answers to Questions:	September 22, 2025
Bid Submission Deadline:	September 30, 2025, 2:00pm
Bid Opening:	Will be held at 2:30 pm on the day of bid submissions are due.
Evaluations by Staff:	To Be Determined (TBD)
Recommendation of Contractor to City Commission for Award:	November 5, 2025
Issuance of Notice to Proceed (NTP):	November 10, 2025



2.3 Mandatory Pre-Bid Meeting/Site Visit

There will be a **MANDATORY** scheduled pre-bid meeting on **Thursday, September 4, 2025 at 9:00 am**. The order of sites for the meeting will be as follows: **1. R&R Village at 9:00 AM 2. Central Campus Building Y at 10:00 AM 3. FSU Building C at 11:15 AM 4. West Campus Building I at 12:30 PM 5. Rose G Price Park at 1:45 PM**

- A. **Proof of Attendance:** Contractors may be required to sign in at any of the meetings to show proof of attendance. It is the **Contractor's** responsibility to make sure that they sign in at the meeting.

2.4 Follow-Up Pre-Bid Meeting(s)

Follow-Up Meetings: In the event that a Contractor cannot attend the scheduled pre-bid meeting, or if a Contractor would like a follow up visit to the site, they may request a site visit by contacting **Daniel Deleon at (954) 518-9020 Ext: 59021**. We urge all Contractors to attend the scheduled meeting, as a separate or follow-up meeting may not be afforded to the requester due to scheduling and availability of staff to assist with any additional meetings. In addition, if making a request for a separate or follow-up meeting, Contractors are urged to make these requests as early as possible.

2.5 Estimated Project Cost

The City estimates the total value of these roofs at \$700,000 but prices vary per location.

2.6 Liquidated Damages

Liquidated damages for this project shall be **FIVE HUNDRED DOLLARS AND NO CENTS (\$500.00)** per day.

2.7 Grant/Federal Funding

Not applicable for this project.

2.8 Proposal Security/Bid Bond

A Proposal Security shall be required, only for bidders that have a total cumulative base proposal amount that exceeds \$200,000. Proposal Security shall be in the amount of 5% of the total cumulative base amount proposed.

2.9 Payment and Performance Bonds

In the event that the awarded contract, not including owner's contingency, exceeds \$200,000, two (2) separate bonds (Payment & Performance Bonds) are required, and both must be approved by the City. The penal sum stated in each bond shall be 100% of the contract price.

2.10 Permit, License, Impact or Inspection Fees

With the exception of the City related permit, license, impact or inspection fees (including the Building Department and Engineering Department Permit Fees), which will be waived for this



project, the City does not anticipate any additional permit, license, impact or inspection fees for this project. Any related State or County fees, for the aforementioned permits, will be paid by the City.

In addition, the City shall cover the cost for any other permit fees related to external entities through the City's Owner's Contingency for this project, **therefore proposers should not include permit costs in their total proposal price.**

Furthermore, please note the City's average time for a Contractor to apply for and receive an approved permit is 30 days; delays in this timeline caused by the Contractor's failure to actively monitor the permit process and submit all required documentation in a timely manner, will count against the project's contractual completion period.



SECTION 3 - PURPOSE AND BACKGROUND

3.1 Purpose

The City of Pembroke Pines is seeking bids from qualified firms, hereinafter referred to as the Contractor, to replace the roofs of various city buildings, in accordance with the terms, conditions, and specifications contained in this solicitation.

The Solicitation includes the following roofs to be replaced:

-Rose G Price Park

901 NW 208th Ave, Pembroke Pines, FL 33029

-R&R Village

1461 SW 81st Ave, Pembroke Pines, FL 33024

-West Campus Building I

18501 Pembroke Rd, Pembroke Pines, FL 33029

-Central Campus Building Y

12350 Sheridan St, Pembroke Pines, FL 33026

-FSU Building C

601 SW 172nd Ave, Pembroke Pines, FL 33029

3.2 Background

Pembroke Pines, Florida, ranked as the eleventh largest city among the state's four hundred plus municipalities and the second largest in Broward County, maintains a welcoming small-town ambiance that resonates with its residents. Located conveniently in southwest Broward County, the city provides seamless access to major highways, employment centers, entertainment venues, parks, golf courses, and a diverse array of dining and shopping options.

With a population of approximately 170,000 residents spread across 32.68 square miles, Pembroke Pines is renowned as one of the best cities to live in America. The city boasts 28 superior parks, lush landscaping, and a distinctive South Florida charm that contributes to its natural beauty. Notably recognized as 2024's Best Place to Raise a Family in Florida, and 2024's Best City of Hispanic Entrepreneurs by WalletHub, Pembroke Pines also earned a place as the on Money Magazine's esteemed Best Places to Live list in 2014, as the sole Florida representative, ranking in at #32 in the nation.

Incorporated in 1960, Pembroke Pines is celebrated as a safe and desirable community, having received accolades such as the All-America City designation. The city's commitment to arts and



culture, exceptional schools, diverse population, numerous parks, and forward-thinking approach in an ever-evolving world make it a standout destination.

Pembroke Pines is also the home to the largest municipal-run charter school system in the nation, serving over 6,000 students across five separate campuses. The City's award-winning charter school system is located in the Broward County School District, which is the sixth largest school district in the nation.



SECTION 4 - SCOPE OF WORK

4.1 4.1. General Information

- The City reserves the right to split awards.
- The minimum experience required as a licensed Roofing Contractor is five (5) years for these projects.
- Contractor shall provide all materials, labor, equipment, and any other necessary items required for complete installation.
- All documents, plans, submittals, and NOA's required to obtain a permit are to be provided by the contractor.
- Contractor shall provide all testing, manufacturer warranties, and certifications.
- The successful Bidder shall employ a competent English-speaking superintendent who shall be in attendance at the project site during the progress of the work. The superintendent shall be the primary representative for the Bidder and all communications given to and all decisions made by the superintendent shall be binding to the Bidder.
- Contractor will be required to schedule all work with the City's Project Manager.
- Contractor shall be responsible for the removal of all debris and the restoration of any existing areas damaged by the contractor upon project completion. The site shall be kept safe and free of debris at the end of each workday. Sidewalks shall be covered when driving trucks over them to prevent damage. If any sidewalks are damaged, the contractor shall be responsible for their replacement.
- All precautions need to be taken for life safety and protection of people, vehicles, and all other structures on the site.
- The work must be performed Monday through Friday or as approved by the City's Project Manager, **to include night work if necessary.**
- Damaged stucco surfaces that are visible prior to the roof tear off shall be included in the bid price, including the stucco needed for the new counter flashing. Hidden stucco and light weight concrete surfaces shall be repaired using the price per square foot provided by the contractor as part of the bid and as approved by the project manager prior to the execution of the repair.
 - The contractor is required to begin work on school roofs on the **first day of summer break, June 5, 2026**. All bidders must hold their proposed prices firm through this date. If a single contractor is awarded the roofing work for all **three schools**, they must provide **multiple work crews** to ensure that all work is completed **within the summer break period**.



4.2 4.2. Warranties

- The awarded contractor must provide a workmanship warranty of no less than ten (10) years for labor.
- The awarded contractor must provide a manufacturer's warranty of no less than twenty (20) years for materials.
- All warranties shall be a No Dollar Amount Limit.
- Copies of all warranties must be provided upon project completion.

4.3 4.3. Use of Premises

- Contractor shall limit their use on the premises for work and storage, and to allow for Owner's Occupancy.
- Contractor shall coordinate use of premises under direction of owner representative, assume full responsibility for protection and safe keeping of products under this contract stored on site, and move any stored products under Contractor's control which interfere with operations of the Owners or separate contractor.

4.4 4.4. Shingle Roof Details

- Remove existing roof down to plywood deck.
- The contractor shall remove existing gutters and downspouts and install new ones around the entire building, including both the top and bottom roofs.
- Re-nail deck with 8 D ring shanks per Florida Building Code (FBC).
- Install 30# felt with tin cap & 1 ¼ ring shanked roofing nails per FBC.
- Install all new lead stacks on plumbing vents with proper sealant per FBC.
- Install all new goose neck with proper sealant per FBC.
- Install all new PT fascia board along with new PT 1x2 fern strip.
- Install all new 3x3 drip edge nail with 1 ¼ ring shanks per FBC.
- Install all new flashing with caulk stop.
- Contractor not to uncover more work than they can cover in a day.
- Contractor to clean up daily.
- Install Owens corning Trudefinition Duration laminated Architectural roof shingle nailed with 1 ¼ ring shanked nails per FBC.
- Shingle color to be selected by the City.

4.5 4.5. Flat Roof Details



- Include all seals required around existing vents, curbs, drains, scuppers or any other roof penetrations.
- Install 75# base sheet by mechanically fastening as per appropriate code requirements and engineer specifications.
- Install 2 plies of Flintglas® ply VI hot mopped with asphalt.
- Install 1 ply of granulated fiberglass cap sheet.
- Install modified bitumen on all walls and flashings.
- Install all required membrane and sheet metal flashings in accordance with the local building code and the manufacturer's standard details.
- Flash all required curbs, **parapet walls (up and over)**, mechanical curbs or other required areas. Contractor to install new roof hatch.
- Install cantilever strip around all curbs and parapet walls.
- Install new retrofit drains.
- Secure all base flashings with proper sealant.
- Install termination bar around all curbs and wall flashing.
- Install all new surface mount stainless steel stucco stop where applicable.
- Fabricate and install all new stainless steel pitch pans throughout.
- Install expansion joints as required.
- Install all new 26-gauge stainless steel overflow scupper flashing.
- Install all new 26-gauge stainless steel eave drip edge where applicable.
- Install all new 26-gauge stainless steel coping caps with proper PT wood nailers.
- Contractor shall replace all fascia and drip edge nailer with PT Wood. The pricing sheet contains a line item for the bidder to provide a cost per square foot to be used for plywood re sheeting replacement.
- Install walk pads from roof hatch to all A/C units.
- Where applicable, coping cap may not have exposed mechanical fasteners.
- Install all new goose necks to house refrigerant lines for A/C units where applicable.
- Install all new roofing equipment curbs where applicable.
- Install all new skylights where applicable.
- All equipment must be installed as per all governing code requirements.



- Contractor to provide a price per square foot to repair light weight concrete, metal deck and hidden stucco surfaces as needed.
- Contractor shall remove and reinstall new gutters & downspouts as needed.

4.6 4.6. Tile Roof Detail

- Remove existing roof down to plywood deck.
- Contractor shall remove and reinstall gutters & downspouts as needed.
- Re-nail deck with 8 D ring shanks per FBC.
- Install 30# felt with tin cap & 1 ¼ ring shanked roofing nails per FBC.
- Install all new lead stacks on plumbing vents with proper sealant per FBC.
- Install all new goose neck with proper sealant per FBC.
- Install all new PT fascia board along with new PT 1x2 fern strip.
- Install all new Stainless steel 3x3 drip edge to match existing nail with 1 ¼ ring shanks per FBC.
- Install all new Stainless steel flashing with stucco stop.
- Install poly glass polystick TU max.
- Contractor not to uncover more work than they can cover in a day.
- Contractor to clean up daily.
- Install eagle profile Capistrano concrete tile set with ICP adhesives polyset AH-1690 foam. Color to be selected by city staff after project is awarded.

4.7 4.7. Project Locations, Cost Estimate & Timelines

Location and Address	Approximate SQFT	Calendar Day from NTP to Completion	Estimated Project Cost
Rose G Price Park	10,000	45 Days	\$155,000
901 NW 208th Ave, Pembroke Pines, FL 33029			
	4,000	30 Days	\$30,000
R&R Village			
1461 SW 81st Ave, Pembroke Pines, FL 33024			



	9,200	30 Days	\$165,000
West Campus Building I			
18501 Pembroke Rd, Pembroke Pines, FL 33029			
	9,200	30 Days	\$165,000
Central Campus Building Y			
12350 Sheridan St, Pembroke Pines, FL 33026			
	7,200	30 Days	\$126,000
FSU Building C			
601 SW 172nd Ave, Pembroke Pines, FL 33029			



SECTION 5 - PRICE PROPOSAL / BID TABLE

The vendor must provide their pricing electronically through the designated line items listed on the Bid Sheet/Pricing Table via the City's e-Procurement portal on OpenGov.

Vendor Notes: The bid tables includes a “Vendor Notes” column for any additional comments regarding the requested line item(s). A comment is preferred in the “Vendor Notes” column. If the vendor does not need to submit any comments, they may leave it blank or enter N/A or similar.

Payment & Performance Bonds: The table includes a section for the vendor to submit pricing for Payment & Performance Bonds. If the total cumulative base proposal amount does not exceed \$200,000 and a Payment and Performance Bond is not required, please enter “0” on the “If Applicable, Cost for Payment and Performance Bond” column for each line item.

Primary Responses: The initial Bid Table is for the primary responses so that the vendors can submit the requested goods and/or services.

Additional Responses: The second Bid Table allows for bidders to submit alternative options. Substitutions of brands or products must be submitted as an alternative for the City’s review and approval.

- A. To submit an alternative, please clearly identify any brand or product substitutions in the “Vendor Notes” column for the respective part.
- B. In addition, please upload any pertinent information relating to the alternative in the "Alternatives" section of the SUBMITTAL DOCUMENTS.

LOCATIONS

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total
1	Rose G price Park	1	Lump Sum		
2	R&R Village 1461	1	Lump Sum		
3	West Campus Building I	1	Lump Sum		
4	Central Campus Building Y	1	Lump Sum		
5	FSU Building C	1	Lump Sum		
TOTAL					

PAYMENT & PERFORMANCE BOND



Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total
1	Cost to provide a payment & performance bond for this project, in the form of a percent	1	Percent		
TOTAL					

ADDITIONAL WORK

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total
1	Steel Deck Repair	1	Per Square Foot		
2	Plywood Replacement	1	Per Square Foot		
3	Light Weight Repair	1	Per Square Foot		
4	Stucco Repair	1	Per Square Foot		
5	2x4	1	Per Square Foot		
6	2x6	1	Per Square Foot		
7	2x8	1	Per Square Foot		
8	2x10	1	Per Square Foot		
9	2x12	1	Per Square Foot		
TOTAL					



SECTION 6 - SUBMITTAL DOCUMENTS

Bids must be submitted electronically at <https://procurement.opengov.com/portal/pembrokepines> on or before **2:00 pm on Tuesday, September 30, 2025**. Please note vendors should be registered on OpenGov under the name of the organization that they are operating as and it should match the organization name on the documents that they are submitting and utilizing when responding to the solicitation. In addition, the vendor must complete the required documents in this section and provide any additional information requested throughout this solicitation. Any additional information requested in the solicitation should be scanned and uploaded. The City recommends for proposers to submit their proposals as soon as they are ready to do so. Please allow ample time to submit your proposals on the <https://procurement.opengov.com/portal/pembrokepines> website. Proposals may be modified or withdrawn prior to the deadline for submitting Proposals.

PLEASE DO NOT SUBMIT ANY PROPOSALS VIA MAIL, E-MAIL OR FAX.

Prospective proposers interested in responding to this solicitation are requested to provide all of the applicable information listed in this section. Submittals that do not respond completely to all of the requirements specified herein may be considered non-responsive and eliminated from the process. Brevity and clarity are encouraged.

1 CONFIRMATION TO BIND

- 1.1 I certify that I have read, understood and agree to the terms in this solicitation, and that I am authorized to submit this response on behalf of my company.*

☐ Please confirm

*Response required

2 CERTIFICATION OF INSURANCE COMPLIANCE AND INTENT TO PROCURE REQUIRED COVERAGE

NOTE: Vendors are not required to purchase any additional insurance in order to submit a bid. However, they must certify that they either currently hold, or are able and willing to obtain, all required insurance coverages, endorsements, and limits prior to award and execution of the contract.

- 2.1 I certify that, if awarded this contract, I will be required to obtain and maintain all insurance policies as detailed in the INSURANCE REQUIREMENTS Section of this solicitation before any work may commence, and throughout the life of the contract.*

☐ Please confirm

*Response required

- 2.2 Do you confirm that you will only use insurance carriers licensed to do business in the State of Florida and rated no less than "A" as to management, and no less than "Class VI" as to financial strength by A.M. Best, and that you understand all endorsements required (e.g., Additional Insured, Waiver of Subrogation, etc.) must be included?*

☐ Yes

☐ No



*Response required

2.3 Do you currently carry insurance policies that meet or exceed the minimum requirements outlined in the INSURANCE REQUIREMENTS section of this solicitation?*

☐ Yes

☐ No

*Response required

When equals "Yes"

2.3.1 Please upload your current certificate(s) of insurance that demonstrate compliance with the insurance requirements outlined in this solicitation.*

*Response required

When equals "No"

2.3.2 Please upload documentation showing that you have obtained a letter from your insurance broker or carrier, such as a Letter of Intent to Insure, Evidence of Insurability, or a Conditional Certificate of Insurance.*

Documentation should show that:

- You can obtain the required insurance.
- The limits and types of coverage will meet the INSURANCE REQUIREMENTS outlined in the solicitation.
- You will provide a COI upon contract award.

*Response required

When equals "No"

2.3.3 Please upload your current certificate(s) of insurance.*

*Response required

2.4 Do you believe you are exempt from one or more insurance requirements (e.g., Workers' Compensation)?*

☐ Yes

☐ No

*Response required

When equals "Yes"

2.4.1 Please upload written documentation requesting an exemption on your company letterhead, subject to City approval.*

*Response required

2.5 Do you plan on using subcontractors for this project?*

☐ Yes



☐ No

*Response required

When equals "Yes"

2.5.1 Do you acknowledge that all subcontractors must also carry the same insurance or be covered under your policy, and that proof of such coverage must be provided to the City?*

☐ Yes

☐ No

*Response required

3 REFERENCE # 1

The minimum experience for this project is **five (5) years**. Provide specific examples of similar experience conducting licensed work of equal or similar scope of work, preferably delivered by the proposed team members. A **minimum of 3** references should be from the last **five years** and should be capable of explaining and confirming your firm's capacity to successfully complete the scope of work outlined herein. As part of the proposal evaluation process, the City may conduct an investigation of references, including a record check or consumer affairs complaints. Proposers' submission of a proposal constitutes acknowledgment of the process and consent to investigate. The City is the sole judge in determining Proposers qualifications. In this section you will have the ability to enter information for 5 different references including their contact details and specific project information.

Please note that the City prefers references who are not current employees of the City of Pembroke Pines, as we generally do not contact our own employees for reference checks.

Proposers are advised to confirm that:

- A. Each reference provided by the Respondent has up to date contact persons and contact information;
- B. The contact person provided for each reference is someone who has personal knowledge of the Proposer's performance during the referenced project; and
- C. The contact person for each reference has been contacted by the Proposer regarding this specific bid submittal and such person confirmed their willingness to serve as a reference.

3.1 Reference Contact Information - Name of Firm, City, County or Agency*

*Response required

3.2 Reference Contact Information - Reference's Business Address*

*Response required

3.3 Reference Contact Information - Reference's Contact Name & Title*

*Response required



3.4 Reference Contact Information - Reference's E-mail Address*

*Response required

3.5 Reference Contact Information - Reference's Phone Number*

*Response required

3.6 Project Information - Was your firm the prime contractor for the listed project?*

☐ Yes

☐ No

*Response required

3.7 Project Information - Name of Contactor Performing the Work*

*Response required

3.8 Project Information - Name and location of the project*

*Response required

3.9 Project Information - Nature of the firm's responsibility on the project and work for which staff was responsible for*

*Response required

3.10 Project Information - Project Duration*

*Response required

3.11 Project Information - Completion (Anticipated) Date*

*Response required

3.12 Project Information - Size of Project*

*Response required

3.13 Project Information - Cost of Project*

*Response required

4 REFERENCE # 2

4.1 Reference Contact Information - Name of Firm, City, County or Agency*

*Response required

4.2 Reference Contact Information - Reference's Business Address*

*Response required

4.3 Reference Contact Information - Reference's Contact Name & Title*

*Response required

4.4 Reference Contact Information - Reference's E-mail Address*

*Response required

4.5 Reference Contact Information - Reference's Phone Number*

*Response required



4.6 Project Information - Was your firm the prime contractor for the listed project?*

☐ Yes

☐ No

*Response required

4.7 Project Information - Name of Contactor Performing the Work*

*Response required

4.8 Project Information - Name and location of the project*

*Response required

4.9 Project Information - Nature of the firm's responsibility on the project and work for which staff was responsible for*

*Response required

4.10 Project Information - Project Duration*

*Response required

4.11 Project Information - Completion (Anticipated) Date*

*Response required

4.12 Project Information - Size of Project*

*Response required

4.13 Project Information - Cost of Project*

*Response required

5 REFERENCE # 3

5.1 Reference Contact Information - Name of Firm, City, County or Agency*

*Response required

5.2 Reference Contact Information - Reference's Business Address*

*Response required

5.3 Reference Contact Information - Reference's Contact Name & Title*

*Response required

5.4 Reference Contact Information - Reference's E-mail Address*

*Response required

5.5 Reference Contact Information - Reference's Phone Number*

*Response required

5.6 Project Information - Was your firm the prime contractor for the listed project?*

☐ Yes

☐ No

*Response required



5.7 Project Information - Name of Contactor Performing the Work*

*Response required

5.8 Project Information - Name and location of the project*

*Response required

5.9 Project Information - Nature of the firm's responsibility on the project and work for which staff was responsible for*

*Response required

5.10 Project Information - Project Duration*

*Response required

5.11 Project Information - Completion (Anticipated) Date*

*Response required

5.12 Project Information - Size of Project*

*Response required

5.13 Project Information - Cost of Project*

*Response required

6 REFERENCE # 4

6.1 Reference Contact Information - Name of Firm, City, County or Agency

6.2 Reference Contact Information - Reference's Business Address

6.3 Reference Contact Information - Reference's Contact Name & Title

6.4 Reference Contact Information - Reference's E-mail Address

6.5 Reference Contact Information - Reference's Phone Number

6.6 Project Information - Was your firm the prime contractor for the listed project?

☐ Yes

☐ No

6.7 Project Information - Name of Contactor Performing the Work

6.8 Project Information - Name and location of the project

6.9 Project Information - Nature of the firm's responsibility on the project and work for which staff was responsible for

6.10 Project Information - Project Duration

6.11 Project Information - Completion (Anticipated) Date

6.12 Project Information - Size of Project

6.13 Project Information - Cost of Project

7 REFERENCE # 5



- 7.1 Reference Contact Information - Name of Firm, City, County or Agency
- 7.2 Reference Contact Information - Reference's Business Address
- 7.3 Reference Contact Information - Reference's Contact Name & Title
- 7.4 Reference Contact Information - Reference's E-mail Address
- 7.5 Reference Contact Information - Reference's Phone Number
- 7.6 Project Information - Was your firm the prime contractor for the listed project?
 - ☐ Yes
 - ☐ No
- 7.7 Project Information - Name of Contactor Performing the Work
- 7.8 Project Information - Name and location of the project
- 7.9 Project Information - Nature of the firm's responsibility on the project and work for which staff was responsible for
- 7.10 Project Information - Project Duration
- 7.11 Project Information - Completion (Anticipated) Date
- 7.12 Project Information - Size of Project
- 7.13 Project Information - Cost of Project

8 PROJECT DOCUMENTS

- 8.1 PROPOSERS BACKGROUND INFORMATION FORM*
 - a. Please download the attached document, complete all required fields, and upload the completed form here.
 - [Proposers Background Inform...](#)

*Response required

- 8.2 PROPOSAL SECURITY (BID BOND FORM OR CASHIER'S CHECK)
 - a. **In the event that your total cumulative base proposal amount exceeds \$200,000,** a Proposal Security shall be in an amount not less than of 5% of the total cumulative base amount proposed.
 - b. Therefore, proposal should be accompanied by a certified or cashier's check or by a Bid Bond made payable to the City of Pembroke Pines on an approved form, duly executed by the Proposer as principal and having as surety thereon a surety company acceptable to CITY and authorized to write such Bond under the laws of the State of Florida.
 - c. Contingency is not to be counted in the total amount the proposal security is based on.
 - d. Proposers must submit a scanned copy of their bid security (bid bond form or cashier's check) with their bid submittal through OpenGov.
 - e. Proposers should also submit their original bid security (bid bond form or cashier's check) at time of the bid due date, or they may be deemed as non-responsive.



- f. The original Bid Bond or Cashier's Check should be in a sealed envelope, plainly marked "**BID SECURITY - PSPW-25-11 Roof Replacement of City Wide Roofs**" and sent to the City of Pembroke Pines, City Clerk's Office, 4th Floor, 601 City Center Way, Pembroke Pines, Florida, 33025.
- g. Please see [SPECIAL TERMS & CONDITIONS](#) of this document for additional information.

9 SWORN STATEMENT ON PUBLIC ENTITY CRIMES UNDER FLORIDA STATUTES CHAPTER 287.133(3)(a)

9.1 SWORN STATEMENT ON PUBLIC ENTITY CRIMES FORM*

- a. Please download the attached document, complete all required fields, and upload the completed form here.

- [Sworn Statement on Public E...](#)

*Response required

9.2 Public Entity Crimes Status*

- Which option did you select on the Sworn Statement on Public Entity Crimes Form:
 - A) Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.
 - B1) The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989, AND There has been a proceeding concerning the conviction before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer did not place the person or affiliate on the convicted vendor list. (Please attach a copy of the final order.)
 - B2) The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989, AND The person or affiliate was placed on the convicted vendor list. There has been a subsequent proceeding before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing



officer determined that it was in the public interest to remove the person or affiliate from the convicted vendor list. (Please attach a copy of the final order.)

- B3) The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989, AND The person or affiliate has not been placed on the convicted vendor list. (Please describe any action taken by or pending with the Department of General Services.)

☐ A) No convictions.

☐ B1) Convicted, final order did not place on the convicted vendor list.

☐ B2) Convicted, listed, then removed.

☐ B3) Convicted, not listed, action pending.

*Response required

9.3 Did you select option B1 or B2 above?*

☐ Yes

☐ No

*Response required

When equals "Yes"

9.3.1 Please upload a copy of the final order issued by the hearing officer of the State of Florida, Division of Administrative Hearings.*

*Response required

9.4 Did you select option B3 above?*

☐ Yes

☐ No

*Response required

When equals "Yes"

9.4.1 Please describe any action taken by or pending with the Department of General Services.*

*Response required

10 EQUAL BENEFITS CERTIFICATION FOR DOMESTIC PARTNERS AND ALL MARRIED COUPLES

10.1 EQUAL BENEFITS CERTIFICATION FORM*

- a. Please download the attached document, complete all required fields, and upload the completed form here.



- [Equal Benefits Certificatio...](#)

*Response required

10.2 Equal Benefits Status*

- Which option did you select on the Equal Benefits Certification Form:
 - A. Contractor currently complies with the requirements of this section; or
 - B. Contractor will comply with the conditions of this section at the time of contract award; or
 - C. Contractor will not comply with the conditions of this section at the time of contract award: or
 - D. Contractor does not comply with the conditions of this section because of the following allowable exemption (Check only one box below):
 - 1. The Contractor does not provide benefits to employees' spouses in traditional marriages;
 - 2. The Contractor provides an employee the cash equivalent of benefits because the Contractor is unable to provide benefits to employees' Domestic Partners or spouses despite making reasonable efforts to provide them. To meet this exception, the Contractor shall provide a notarized affidavit that it has made reasonable efforts to provide such benefits. The affidavit shall state the efforts taken to provide such benefits and the amount of the cash equivalent. Cash equivalent means the amount of money paid to an employee with a Domestic Partner or spouse rather than providing benefits to the employee's Domestic Partner or spouse. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee's spouse;
 - 3. The Contractor is a religious organization, association, society, or any non-profit charitable or educational institution or organization operated supervised or controlled by or in conjunction with a religious organization, association, or society;
 - 4. The Contractor is a governmental agency;

- ☐ A) Contractor currently complies.
- ☐ B) Will comply by contract award.
- ☐ C) Will not comply.
- ☐ D1) Does not comply due to an exemption: No spousal benefits for anyone.
- ☐ D2) Does not comply due to an exemption: Provides cash equivalent after trying.



☐ D3) Does not comply due to an exemption: Religious or related nonprofit.

☐ D4) Does not comply due to an exemption: Government agency.

*Response required

10.3 Did you select option D2 above?*

☐ Yes

☐ No

*Response required

When equals "Yes"

10.3.1 Please upload a notarized affidavit detailing the reasonable efforts made to provide benefits to employees' Domestic Partners or spouses, along with the amount of the cash equivalent provided.*

*Response required

11 DRUG-FREE WORKPLACE CERTIFICATION

11.1 VENDOR DRUG FREE WORKPLACE CERTIFICATION FORM*

a. Please download the attached document, complete all required fields, and upload the completed form here.

- [Vendor Drug-Free Workplace ...](#)

*Response required

11.2 Drug-Free Status*

☐ Complies fully.

☐ Does not comply.

*Response required

12 STANDARD DOCUMENTS

The following documents are standard documents that the City generally requires for every solicitation. As a result, we recommend vendors to keep these documents updated and readily available so that they can be easily uploaded for each project that the vendor would like to participate in. In the event that the City does not have one of the forms or documents listed below for your company, the City may reach out to your company after the bid has closed to obtain the document(s).

12.1 NON-COLLUSIVE AFFIDAVIT*

a. Please download the attached document, complete all required fields, and upload the completed form here.



12.2 SCRUTINIZED COMPANY CERTIFICATION*

- a. Please download the attached document, complete all required fields, and upload the completed form here.

- [Scrutinized Company Certifi...](#)

*Response required

12.3 E-VERIFY SYSTEM CERTIFICATION*

- a. Please download the attached document, complete all required fields, and upload the completed form here.
- b. Effective January 1, 2021, pursuant to Section 448.095, Florida Statutes, the City may not enter into a contract with a vendor/contractor/subcontractor unless that vendor/contractor/subcontractor is registered with and uses the E-Verify system administered by the U.S. Department of Homeland Security ("DHS").
- c. Contractor shall also require all subcontractors to provide an affidavit attesting that the subcontractor does not employ, contract with, or subcontract with, an unauthorized alien. The Contractor shall maintain a copy of such affidavit for the duration of the contract.

- [E-Verify System Certificati...](#)

*Response required

12.4 HUMAN TRAFFICKING AFFIDAVIT*

- a. Please download the attached document, complete all required fields, and upload the completed form here.

- [Human Trafficking Affidavit...](#)

*Response required

13 VENDOR REGISTRATION

13.1 Do you currently have a City of Pembroke Pines Vendor Number registered in the PaymentWorks System?*

- The City of Pembroke Pines utilizes OpenGov as its e-Procurement platform for solicitation and bid submission purposes. However, please be advised that **vendor registration for onboarding and processing payments is handled separately** through the City's Accounts Payable Division using **PaymentWorks**, a secure online vendor management platform.
- All vendors that will be submitting invoices and requiring payments from the City are required to register on the PaymentWorks platform. If the vendor is not currently



registered with the City via PaymentWorks and does not have a Vendor Number, the City will have to invite the vendor to register.

- For formal solicitations such as this project, the Procurement Department will send PaymentWorks registration invitations to vendor(s) who are under active consideration for award. Please be aware that not all vendors who submit proposals will receive an invitation, in order to manage system usage and avoid onboarding vendors who are unlikely to receive payments from the City.
- Invitations will typically be sent to the contact listed on the submitted Vendor Information Form.

☐ Yes

☐ No

*Response required

When equals "Yes"

13.1.1 What is your Vendor Number?*

*Response required

13.2 VENDOR INFORMATION FORM*

- a. Please download the attached document, complete all required fields, and upload the completed form here.

- [Vendor Information Form.pdf](#)

*Response required

13.3 FORM W-9 (REVISED MARCH 2024)*

- a. Please download the attached document, complete all required fields, and upload the completed form here.
- b. Note - Please use the March 2024 version of the form as previously dated versions of this form may delay the processing of any payments to the selected vendor.

- [Form W-9 \(Rev March 2024\).pdf](#)

*Response required

14 OPTIONAL DOCUMENTATION

14.1 TRADE SECRETS

- a. The Proposer's response to this solicitation is a public record pursuant to Florida law, which is subject to disclosure by the City under the State of Florida Public Records Law, Florida Statutes Chapter 119.07 ("Public Records Law"). The City shall permit public access to all documents, papers, letters or other material submitted in



connection with this solicitation and the Contract to be executed for this solicitation, subject to the provisions of Chapter 119.07 of the Florida Statutes.

- b. Any language contained in the Proposer's response to the solicitation purporting to require confidentiality of any portion of the Proposer's response to the solicitation, except to the extent that certain information is in the City's opinion a Trade Secret pursuant to Florida law, shall be void. If a Proposer submits any documents or other information to the City which the Proposer claims is Trade Secret information and exempt from Florida Statutes Chapter 119.07 ("Public Records Laws"), the Proposer shall clearly designate that it is a Trade Secret and that it is asserting that the document or information is exempt. The Proposer must specifically identify the exemption being claimed under Florida Statutes 119.07. The City shall be the final arbiter of whether any information contained in the Proposer's response to the solicitation constitutes a Trade Secret.
- c. EXCEPT FOR CLEARLY MARKED PORTIONS THAT ARE BONA FIDE TRADE SECRETS PURSUANT TO FLORIDA LAW, DO NOT MARK YOUR RESPONSE TO THE SOLICITATION AS PROPRIETARY OR CONFIDENTIAL. DO NOT MARK YOUR RESPONSE TO THE SOLICITATION OR ANY PART THEREOF AS COPYRIGHTED. ALL DOCUMENTS THAT THE FIRM PURPORTS TO BE CONFIDENTIAL, PROPRIETARY OR A TRADE SECRET SHALL BE UPLOADED TO THE OPENGOV WEBSITE AS A SEPARATE ATTACHMENT, IN THIS SECTION, CLEARLY IDENTIFYING THE EXEMPTION BEING CLAIMED UNDER FLORIDA STATUTES 119.07.
- d. The city's determination of whether an exemption applies shall be final, and the proposer agrees to defend, indemnify, and hold harmless the city and the city's officers, employees, and agent, against any loss or damages incurred by any person or entity as a result of the city's treatment of records as public records.

14.2 FINANCIAL STATEMENTS

- a. The City is **NOT** requesting the vendor to submit any financial statements for this project and prefers if the vendor does not submit financial statements. In addition, if the City needs a copy of the vendor's financial statements, the City can contact the vendor after the bid due date to request those documents. However, if the vendor does submit the financial statements, they should be uploaded in this section.
- b. Any claim of confidentiality on financial statements must be asserted at the time of submittal. The firm must identify the specific statute that authorizes the exemption from the Public Records Law. Please note that the financial statement exemption



provided for in Section 119.071(1)c, Florida Statutes only applies to submittals in response to a solicitation for a “public works” project.

14.3 ALTERNATIVES

- a. If you are submitting an alternative product, please upload any related information in this section (such as specification sheets, etc.).
- b. In addition, pursuant to the “**Brand Names**” Section included in the [GENERAL TERMS AND CONDITIONS](#) Section if and wherever in the specifications a brand name, make, name of manufacturer, trade name, or vendor catalog number is mentioned, it is for the purpose of establishing a grade or quality of material only. Since the City does not wish to rule out other competition and equal brands or makes, the phrase “OR EQUAL” is added. However, if a product other than that specified is bid, Proposers shall indicate on their proposal and clearly state the proposed substitution and deviation. It is the vendor’s responsibility to provide any necessary documentation and samples within their bid submittal to prove that the product is equal to that specified. Such samples are to be furnished before the date of bid opening, unless otherwise specified. Additional evidence in the form of documentation and samples may be requested if the proposed brand is other than that specified. The City retains the right to determine if the proposed brand shall be considered as an approved equivalent or not.

14.4 ADDITIONAL INFORMATION

- a. Please provide any additional information that you deem necessary to complete your proposal in this section, if it has not been requested in another section.

14.5 PROFESSIONAL LICENSES

- a. If applicable, please upload any professional licenses that may be required to perform the services outlined in the solicitation. The following licensing requirements shall apply when the applicable Florida statute mandates specific licensing for Contractors engaged in the type of work covered by this solicitation.
 1. State of Florida, Department of Professional Regulation, Construction Industries Licensing Board and licensed by other federal, state, regional, county or municipal agencies having jurisdiction over the specified construction work.
 2. Said licenses shall be in the Firm's name as it appears on the OpenGov registration and as appropriately registered with the applicable licensing entity. Proposer shall supply appropriate license numbers, with expiration dates, as part of their bid. Failure to hold and provide proof of proper licensing, certification and registration may be grounds for rejection of the bid.



3. Subcontractors contracted by the Prime Contractor shall be licensed in their respective fields to obtain construction permits as necessary. Said licenses must be in the name of the subcontractor.

15 VENDOR CLASSIFICATION

15.1 Is your firm a Local Pembroke Pines Vendor (LPPV) and Local Broward County Vendor (LBCV)?*

- a. The evaluation of competitive bids is subject to section 35.36 of the City's Procurement Procedures which, except where contrary to federal and state law, or any other funding source requirements, provides that preference be given to local businesses. To satisfy this requirement, the vendor shall affirm in writing its compliance with either of the following objective criteria as of the bid or proposal submission date stated in the solicitation. A local business shall be defined as:

1. **"Local Pembroke Pines Vendor"** shall mean a business entity which has maintained a permanent place of business with full-time employees within the City limits for a minimum of one (1) year prior to the date of issuance of a bid or proposal solicitation. The permanent place of business may not be a post office box. The business location must actually distribute goods or services from that location. In addition, the business must have a current business tax receipt from the City of Pembroke Pines, **OR**;
2. **"Local Broward County Vendor"** shall mean or business entity which has maintained a permanent place of business with full-time employees within the Broward County limits for a minimum of one (1) year prior to the date of issuance of a bid or proposal solicitation. The permanent place of business may not be a post office box. The business location must actually distribute goods or services from that location. In addition, the business must have a current business tax receipt from the Broward County or the city within Broward County where the business resides.

- b. A preference of five percent (5%) of the total evaluation point, or five percent (5%) of the total price, shall be given to the Local Pembroke Pines Vendor(s); A preference of two and a half percent (2.5%) of the total evaluation point for local, or two and a half percent (2.5%) of the total price, shall be given to the Local Broward County Vendor(s).

☐ Yes

☐ No

*Response required

When equals "Yes"



15.1.1 Please indicate your Local Vendor Status*

☐ Local Pembroke Pines Vendor (LPPV)

☐ Local Broward County Vendor (LBCV)

*Response required

When equals "Yes"

15.1.2 Local Vendor Preference Certification*

1. Please download the attached document, complete all required fields, and upload the completed form here.

- [Local Vendor Preference Cer...](#)

*Response required

When equals "Yes"

15.1.3 Local Business Tax Receipts*

1. If claiming Local Vendor Preference, please upload any previous business tax receipts to indicate that the business entity has maintained a permanent place of business for a minimum of one (1) year.

*Response required

15.2 Is your firm a Veteran Owned Small Business (VOSB)?*

- a. The evaluation of competitive bids is subject to section 35.37 of the City's Procurement Procedures which, except where contrary to federal and state law, or any other funding source requirements, provides that preference be given to veteran owned small businesses. To satisfy this requirement, the vendor shall affirm in writing its compliance with the following objective criteria as of the bid or proposal submission date stated in the solicitation.
- b. A preference of two and a half percent (2.5%) of the total evaluation point, or two and a half percent (2.5%) of the total price, shall be given to the Veteran Owned Small Business (VOSB).

☐ Yes

☐ No

*Response required

When equals "Yes"

15.2.1 Upload the "Determination Letter" from the United States Department of Veteran Affairs Center notifying the business that they have been approved as a Veteran Owned Small Business (VOSB)

When equals "Yes"



- 15.2.2 Upload Veteran Owned Small Business Certification(s) from any relevant agency(ies)
- 15.3 Is your firm a Minority-Owned Business Enterprise (MBE)?*
- ☐ Yes
- ☐ No

*Response required

When equals "Yes"

- 15.3.1 Please indicate the classification of your Minority-Owned Business Enterprise (MBE)*

Select all that apply

- ☐ African-American MBE
- ☐ Asian-American MBE
- ☐ Hispanic-American MBE
- ☐ Native-American MBE
- ☐ Other option not listed above

*Response required

When equals "Yes"

- 15.3.2 MBE Certification Documentation*

1. Upload your MBE Certification Documentation here, preferably with the State of Florida's Office of Supplier Diversity. If you have multiple MBE certifications, please combine them into one (1) document and upload.

*Response required

- 15.4 Is your firm a Woman-Owned Business Enterprise (WBE)?*
- ☐ Yes
- ☐ No

*Response required

When equals "Yes"

- 15.4.1 WMBE Certification Documentation*

1. Upload your WMBE Certification Documentation here, preferably with the State of Florida's Office of Supplier Diversity. If you have multiple WMBE certifications, please combine them into one (1) document and upload.

*Response required

- 15.5 Is your firm a HubZone Business / Labor Surplus Area Firm?*
- ☐ Yes
- ☐ No



*Response required

When equals "Yes"

15.5.1 HubZone Business / Labor Surplus Area Firm Certification Documentation*

1. Upload your HubZone Business / Labor Surplus Area Firm Certification Documentation, preferably with the U.S. Small Business Administration (SBA). If you have multiple certifications, please combine them into one (1) document and upload.

*Response required

15.6 Is your firm a Broward County Small Business Enterprise (SBE)?*

☐ Yes

☐ No

*Response required

When equals "Yes"

15.6.1 SBE Certification Documentation*

1. Upload your SBE Certification Documentation from Broward County's Office of Economic and Small Business Development (OESBD). If you have multiple certifications, please combine them into one (1) document and upload.

*Response required

15.7 Is your firm a Broward County Business Enterprise (CBE)?*

☐ Yes

☐ No

*Response required

When equals "Yes"

15.7.1 CBE Certification Documentation*

1. Upload your CBE Certification Documentation from Broward County's Office of Economic and Small Business Development (OESBD). If you have multiple certifications, please combine them into one (1) document and upload.

*Response required

15.8 Is your firm a Broward County Disadvantaged Business Enterprise (DBE)?*

☐ Yes

☐ No

*Response required

When equals "Yes"



15.8.1 DBE Certification Documentation*

1. Upload your DBE Certification Documentation from Broward County's Office of Economic and Small Business Development (OESBD). If you have multiple certifications, please combine them into one (1) document and upload.

*Response required

15.9 Does your firm have a Vendor Classification that was not listed above?*

☐ Yes

☐ No

*Response required

When equals "Yes"

15.9.1 Other Vendor Classification Certification Documentation*

1. Upload your other Certification Documentation here. If you have multiple certifications, please combine them into one (1) document and upload.

*Response required



SECTION 7 - EVALUATION OF PROPOSALS & PROCESS SELECTION

7.1 Qualifying & Selecting Firms

- A. Staff will evaluate all responsive proposals received from proposers who meet or exceed the bid requirements contained in the solicitation. Evaluations shall be based upon the information and references contained in the proposals as submitted.
- B. Staff will make a recommendation to the City Commission for award of contract.
- C. The contract shall be awarded to the most responsive/responsible bidder whose bid is determined to be the most advantageous to the City taking into consideration the evaluation criteria.



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

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786)315-2590 F (786) 315-2599

www.miamidade.gov/economy

ICP Adhesives and Sealants, Inc.
12505 NW 44th Street
Coral Springs, FL. 33065

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: Polyset® AH-160

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 NOA 20-1124.07 and consists of pages 1 through 11.
The submitted documentation was reviewed by Alex Tigera.

A handwritten signature in blue ink, appearing to read 'Alex Tigera'.



NOA No.: 22-0411.02
Expiration Date: 05/10/27
Approval Date: 05/05/22
Page 1 of 11

ROOFING COMPONENT APPROVAL:

Category: Roofing
Sub Category: Roof tile adhesive
Materials: Polyurethane

SCOPE:

This approves **Polyset® AH-160** as manufactured by **ICP Adhesives and Sealants, Inc.** as described in this Notice of Acceptance. For the locations where the design pressure requirements, as determined by applicable building code, do not exceed the design pressure values obtained by calculations in compliance with Roofing Application Standard RAS 127. For use with approved flat, low, and high profile roof tile systems using Polyset® AH-160.

PRODUCTS MANUFACTURED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
Polyset® AH-160	N/A	TAS 101	Two component polyurethane foam adhesive
ICP Adhesives Foam Dispenser RTF1000	N/A		Dispensing Equipment
ICP Adhesives ProPack® 30 & 100	N/A		Dispensing Equipment

PRODUCTS MANUFACTURED BY OTHERS:

Any Miami-Dade County Product Control Accepted Roof Tile Assembly having a current NOA which list attachment resistance values with the use of Polyset® AH-160 roof tile adhesive.

MANUFACTURING LOCATION:

1. Tomball, TX.

PHYSICAL PROPERTIES:

<u>Property</u>	<u>Test</u>	<u>Results</u>
Density @ 73°F	ASTM D1622	2.1 lbs./ft. ³
Compressive Strength	ASTM D1621	18 PSI Parallel to rise 14 PSI Perpendicular to rise
Tensile Strength	ASTM D1623	29 PSI Parallel to rise
Water Absorption	ASTM D2842	0%
Moisture Vapor Transmission	ASTM E96	2.3 Perms
Dimensional Stability	ASTM D2126	+0.07% Volume Change @ -40° F., 2 weeks +6.0% Volume Change @ 158°F., 100% Humidity, 2 weeks
Closed Cell Content	ASTM D6226	94%

Note: The physical properties listed above are presented as typical average values as determined by accepted ASTM test methods and are subject to normal manufacturing variation.



NOA No.: 22-0411.02
 Expiration Date: 05/10/27
 Approval Date: 05/05/22
 Page 2 of 11

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
Center for Applied Engineering	#94-060	TAS 101	04/08/94
	257818-1PA	TAS 101	12/16/96
	25-7438-3	SSTD 11-93	10/25/95
	25-7438-4		
	25-7438-7	SSTD 11-93	11/02/95
	25-7492	SSTD 11-93	12/12/95
Miles Laboratories Polymers Division	NB-589-631	ASTM D 1623	02/01/94
Ramtech Laboratories, Inc.	9637-92	ASTM E 108	04/30/93
Southwest Research Institute	01-6743-011	ASTM E 108	11/16/94
	01-6739-062b[1]	ASTM E 84	01/16/95
Trinity Engineering	7050.02.96-1	TAS 114	03/14/96
	P36700.04.12	ASTM D 1623	04/18/12
	P39740.02.12	TAS 101	02/21/12
		TAS 123	
Celotex Corp. Testing Services	528454-2-1	TAS 101	10/23/98
	528454-9-1		
	528454-10-1		
	520109-1	TAS 101	12/28/98
	520109-2		
	520109-3		
	520109-6		
	520109-7		
	520191-1	TAS 101	03/02/99
	520109-2-1		
NEMO ETC, LLC	4p-ICP-20-SSLAP-01.B	Physical Properties	11/11/20

LIMITATIONS:

1. Fire classification is not part of this acceptance. Refer to the Prepared Roof Tile Assembly for fire rating.
2. Polyset® AH-160 shall solely be used with flat, low, & high tile profiles.
3. Minimum underlayment shall be in compliance with the Roofing Application Standard RAS 120.
4. Roof Tile manufactures acquiring acceptance for the use of Polyset® AH-160 roof tile adhesive with their tile assemblies shall test in accordance with TAS 101.
5. 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.



NOA No.: 22-0411.02
Expiration Date: 05/10/27
Approval Date: 05/05/22
Page 3 of 11

INSTALLATION:

1. Polyset® AH-160 may be used with any roof tile assembly having a current NOA that lists attachment resistance values with the use of Polyset® AH-160.
2. Polyset® AH-160 shall be applied in compliance with the Component Application section and the corresponding Placement Details noted herein. The roof tile assembly's adhesive attachment with the use of Polyset® AH-160 shall provide sufficient attachment resistance to meet or exceed the resistance value determined in compliance with Miami-Dade County Roofing Application Standards RAS 127. The adhesive attachment data is noted in the roof tile assembly NOA.
3. Polyset® AH-160 and its components shall be installed in accordance with Roofing Application Standard RAS 120, and ICP Adhesives and Sealants, Inc.'s Operating Instruction and Maintenance Booklet.
4. Installation must be by a Factory Trained 'Qualified Applicator' approved and licensed by ICP Adhesives and Sealants, Inc. ICP Adhesives and Sealants, Inc. shall supply a list of approved applicators to the authority having jurisdiction.
5. Calibration of the ICP Adhesives Foam Dispenser RTF1000 dispensing equipment is required before application of any adhesive. The mix ratio between the "A" component and the "B" component shall be maintained between 1.0-1.15 (A): 1.0 (B).
6. Polyset® AH-160 shall be applied with ICP Adhesives Foam Dispenser RTF1000 or ICP Adhesives ProPack® 30 & 100 dispensing equipment only.
7. Polyset® AH-160 shall not be exposed permanently to sunlight.
8. Tiles must be adhered in freshly applied adhesive. Tile must be set within 1 to 2 minutes after Polyset® AH-160 has been dispensed.
9. Polyset® AH-160 placement and minimum patty weight shall be in accordance with the 'Placement Details' herein. Each generic tile profile requires the specific placement noted herein.



Table 1: Adhesive Placement For Each Generic Tile Profile

Tile Profile	Placement Detail	Minimum Paddy Contact Area	Minimum Paddy Gram Weight
Eave Course - Flat, Low, High Profiles	All Eave Course	17-23 sq. inches	45-65
Flat, Low, High Profiles	#1	17-23 sq. inches	45-65
Flat Profile	#2	10-12 sq. inches	30
Low Profile	#2	12-14 sq. inches	30
High Profile	#2	17-19 sq. inches	30
Flat, Low, High Profiles	#3	Two Paddys: 8-9 sq. inches at head of tile 9-11 sq. inches at overlap	12 grams per paddy
Two-Piece Barrel (Cap Tile)	Two Piece	2 Beads (1 each longitudinal edge) 20-25 sq. inches each bead	17 grams per bead
Two Piece Barrel (Pan Tile)	Two Piece	65-70 sq. inches	34 grams under pan

LABELING:

All approved products listed herein shall be labeled and shall bear the imprint or identifiable marking of the manufacturer's name or logo and following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below.

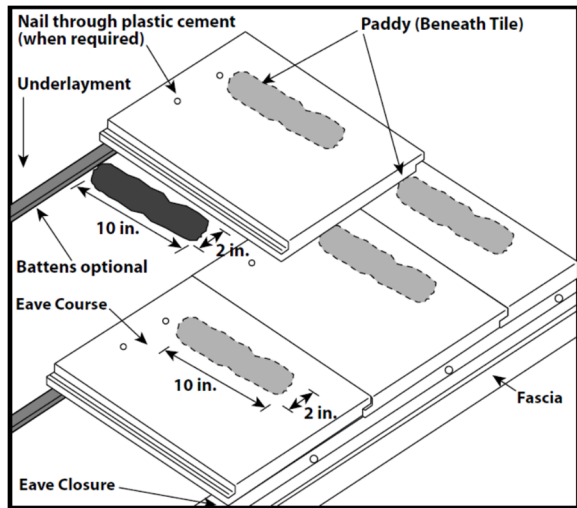
**BUILDING PERMIT REQUIREMENTS:**

As required by the Building Official or applicable building code in order to properly evaluate the installation of this system.



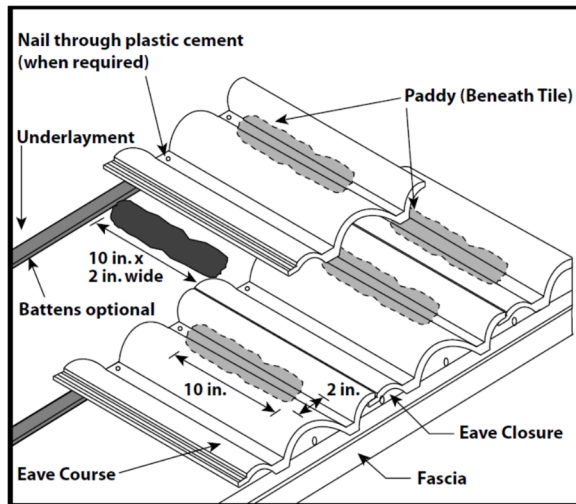
NOA No.: 22-0411.02
Expiration Date: 05/10/27
Approval Date: 05/05/22
Page 5 of 11

ADHESIVE PLACEMENT DETAIL # 1



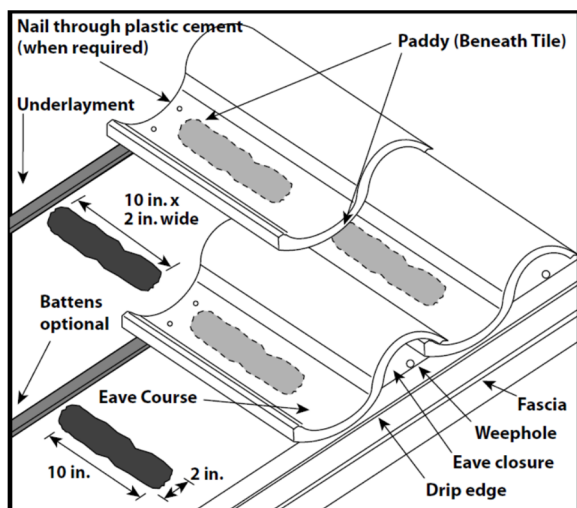
Flat/Low Profile Tile

1. Starting at the eave course, apply a minimum 2" (50.8 mm) x 10" (254 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown, under the strengthening rib closest to the overlock of the tile being set.
2. Continue in same manner. Insure approximately 17 (109.7 cm²) – 23 (148.4 cm²) square inch adhesive contact with the underside of the tile.



Medium Profile / Double Pan Tile

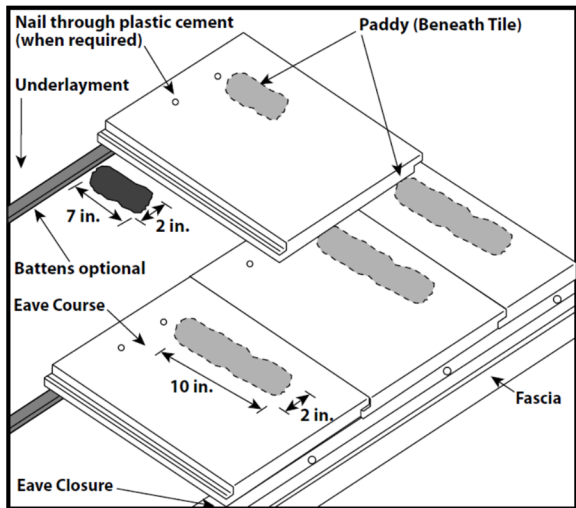
1. Starting at the eave course, apply a minimum 2" (50.8 mm) x 10" (254 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown under the pan portion of the tile closest to the overlock of the tile being set.
2. Continue in same manner. Insure approximately 17 (109.7 cm²) – 23 (148.4 cm²) square inch adhesive contact with the underside of the tile.



High Profile / Single Pan Tile

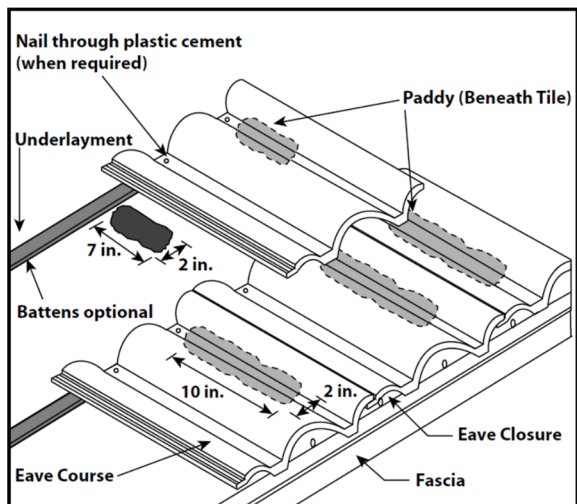
1. Starting at the eave course, apply a minimum 2" (50.8 mm) x 10" (254 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown under the pan portion of the tile closest to the overlock of the tile being set.
2. Continue in same manner. Insure approximately 17 (109.7 cm²) – 23 (148.4 cm²) square inch adhesive contact with the underside of the tile.

ADHESIVE PLACEMENT DETAIL # 2



Flat/Low Profile Tile

1. Starting at the eave course, apply a minimum 2" (50.8 mm) x 10" (254 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown under the strengthening rib of the tile closest to the overlock of the tile being set. Insure approximately 17 (109.7 cm²) – 23 (148.4 cm²) square inch adhesive contact with the underside of the tile.
2. At the second course, apply a minimum 2" (50.8mm) x 7" (177.8 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown under the strengthening rib closest to the overlock of the tile being set.
3. Continue in same manner. Insure approximately 10" (64.5 cm²) - 12 (77.4 cm²) square inch adhesive contact with the underside of the tile.

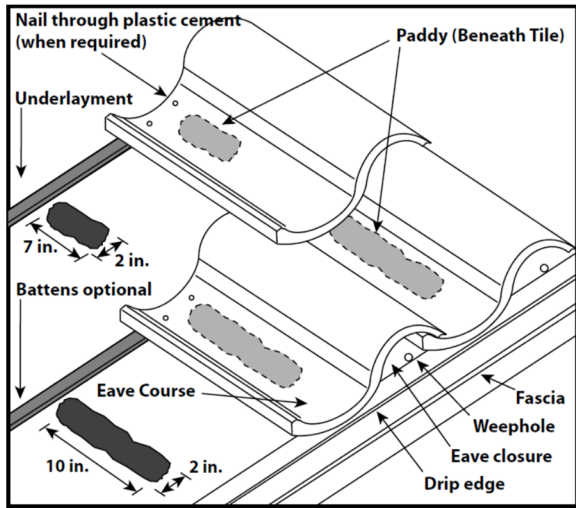


Medium Profile / Double Pan Tile

1. Starting at the eave course, apply a minimum 2" (50.8 mm) x 10" (254 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown under the pan portion of the tile closest to the overlock of the tile being set. Insure approximately 17 (109.7 cm²) – 23 (148.4 cm²) square inch adhesive contact with the underside of the tile.
2. At the second course, apply a minimum 2" (50.8mm) x 7" (177.8 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown under the pan portion of the tile closest to the overlock of the tile being set.
3. Continue in same manner. Insure approximately 12" (77.4 cm²) - 14 (90.3 cm²) square inch adhesive contact with the underside of the tile.

(Instructions continued on next page)

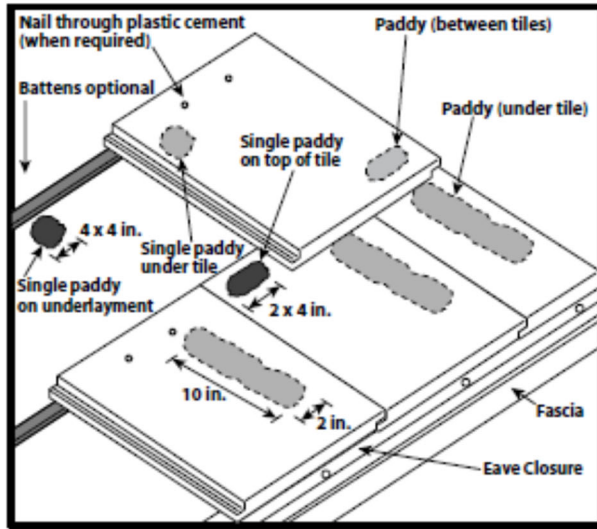
ADHESIVE PLACEMENT DETAIL # 2 (CONTINUED)



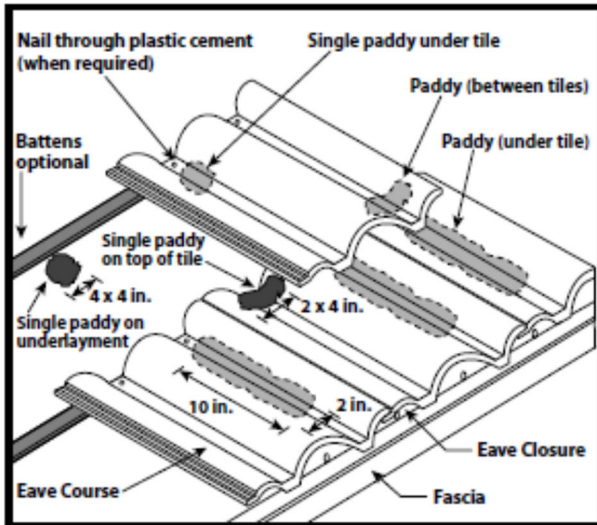
High Profile / Single Pan Tile

1. Starting at the eave course, apply a minimum 2" (50.8 mm) x 10" (254 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown under the pan portion of the tile closest to the overlock of the tile being set. Insure approximately 17 (109.7 cm²) – 23 (148.4 cm²) square inch adhesive contact with the underside of the tile.
2. At the second course, apply a minimum 2" (50.8mm) x 7" (177.8 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown under the pan portion of the tile closest to the overlock of the tile being set.
3. Continue in same manner. Insure approximately 17" (109.7 cm²) - 19 (122.6 cm²) square inch adhesive contact with the underside of the tile.

ADHESIVE PLACEMENT DETAIL # 3



Flat/Low Profile Tile

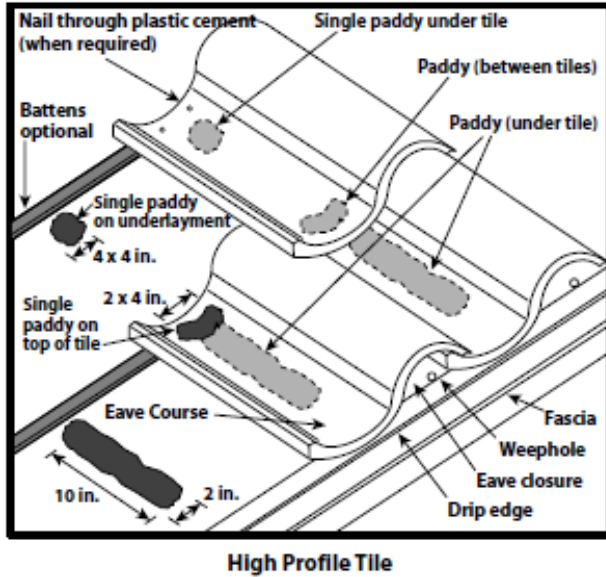


Medium Profile Tile

1. On the eave course only, apply a minimum 2" (50.8 mm) x 10" (254 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown, under the strengthening rib for flat tile or under the pan portion of the tile for low or high profile tile closest to the overlock of the tile being set. Leave approximately 4" (101.6 mm) up from the eave edge free of foam to prevent the expanded adhesive from blocking the weep holes. Insure approximately 17-23 in² (109.7-148.4 cm²) of adhesive contact with the underside of the tile
2. Apply a 4" (101.6 mm) x 4" (101.6 mm) x 1" (25.4 mm) foam paddy onto the underlayment just below the second course line positioned foam paddy under the strengthening rib for flat tile, or under the pan portion of the tile, closest to the underlock for the second course tile to be installed. Insure approximately 8-9 in² (51.6-58.1 cm²) of adhesive contact with the underside of the tile.

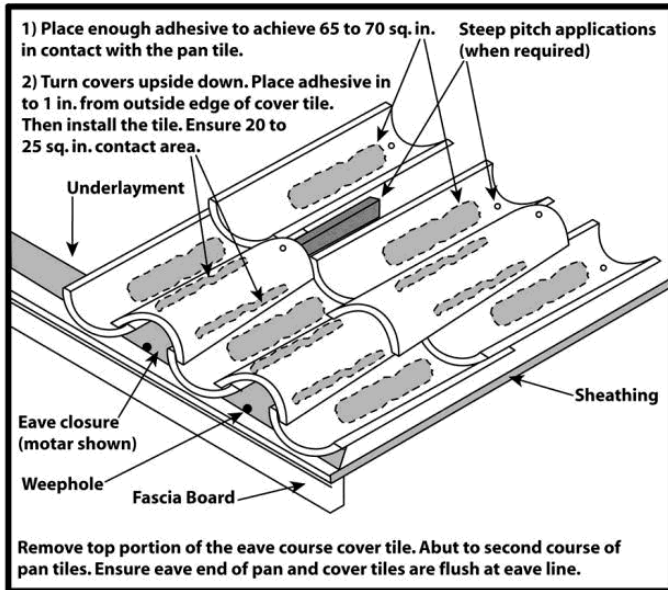
(Instructions continued on next page)

ADHESIVE PLACEMENT DETAIL # 3 (CONTINUED)



- Also apply a 2" (50.8 mm) x 4" (101.6 mm) x $\frac{3}{4}$ " (19 mm) paddy on top of the eave course tile surface as shown, on top of the strengthening rib for flat tile or on top of the pan portion of the tile, closest to the underlock of the first course of tile. Install second course of tile. Insure approximately 9 (58.1 cm²) - 11 (71cm²) square inch adhesive contact with the underside of the tile at the overlap and 7 (45.2 cm²) - 9 (58.1 cm²) square inch adhesive contact with the underside of the tile at the head of the tile. Continue in same manner.

ADHESIVE PLACEMENT DETAIL TWO PIECE BARREL



Two Piece Barrel - High Profile Tile

Two Piece Barrel (Cap and Pan) Tile

1. Starting at the eave course, apply a minimum 2" (50.8 mm) x 10" (254 mm) x 1" (25.4 mm) foam paddy onto the underlayment positioned as shown under two adjacent pan tiles. Support eave tiles from rocking until adhesive has a chance to cure.
2. Continue in same manner bringing two pan courses up toward the ridge. Insure approximately 65 (419.4 cm²) – 70 (451.6 cm²) square inch adhesive contact with the underside of the pan tile.
3. Turn covers upside down exposing the underside of the tile. Apply a minimum 1" (25.4 mm) x 10" (254 mm) bead of adhesive directly on the inner edge of each side of the cover tile. Leave approximately 3/4" (19 mm) to 1" (25.4 mm) from the outside edge of the tile, inward, free of foam to allow for expansion.
4. Turn cover tile over after foam is applied and place onto pan tile course. Insure a minimum of 20 (129 cm²) - 25 (161.3 cm²) square inch contact area on each side of the cover tile to the pan tile. Continue in same manner. Trim away any cured exposed foam adhesive. Pointing of longitudinal edges of the cover tiles are considered optional.
5. When additional nailing is required, 2" (50.8 mm) x 4" (101.6 mm) nailers or the tie wire system using galvanized, stainless steel, or copper wire and compatible nails may be used.

END OF THIS ACCEPTANCE



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

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Owens Corning Roofing and Asphalt, LLC
One Owens Corning Parkway
Toledo, OH 43659

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: TruDefinition® Duration®, and TruDefinition® Duration® Designer Colors Collection

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 No.17-1211.02 and consists of pages 1 through 6.
The submitted documentation was reviewed by Alex Tigera.

A handwritten signature in blue ink, appearing to read 'Alex Tigera'.



NOA No.: 21-0518.04
Expiration Date: 07/19/26
Approval Date: 07/15/21
Page 1 of 6

ROOFING ASSEMBLY APPROVAL

Category: Roofing
Sub-Category: Asphalt Shingles
Materials: Laminate
Deck Type: Wood

SCOPE

This approves a roofing system using **TruDefinition® Duration®, and TruDefinition® Duration® Designer Colors Collection** asphalt shingles manufactured by Owens Corning as described in Section 2 of his Notice of Acceptance.

PRODUCT DESCRIPTION

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
TruDefinition® Duration®; TruDefinition® Duration® Designer Colors Collection <i>Manufacturing Location(s) #1, 2, 3, 4, 5, 6, 7</i>	13 ¼" x 39 ⅜"	TAS 110	A heavy weight, fiberglass reinforced asphalt shingle with large nail area with bead of sealant.

MANUFACTURING LOCATION

1. Jacksonville, FL
2. Memphis, TN
3. Savannah, GA
4. Irving, TX
5. Kearny, NJ
6. Medina, OH
7. Brookville, IN



EVIDENCE SUBMITTED

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
PRI Asphalt Technologies, Inc.	OCF-157-02-01	TAS 100	10/26/10
	OCF-156-02-01	TAS 100	10/26/10
	OCF-163-02-01	TAS 100	12/10/10
	OCF-164-02-01	TAS 100	12/10/10
	OCF-172-02-01	TAS 100	05/26/11
	OCF-179-02-01	TAS 100	02/02/12
	OCF-367-02-01	TAS 100	11/08/17
	OCF-368-02-01	TAS 107	11/08/17
	OCF-371-02-01	TAS 100	11/08/17
	OCF-372-02-01	TAS 107	11/08/17
	OCF-375-02-01	TAS 100	11/08/17
	OCF-376-02-01	TAS 107	11/08/17
	OCF-462-02-01	ASTM D 3462	05/11/21
	OCF-469-02-01	ASTM D 3462	05/11/21
	OCF-478-02-01	ASTM D 3462	05/11/21
	1378C0004	ASTM D 3462	05/11/21
	1378C0012	ASTM D 3462	05/11/21
	OCF-501-02-01	ASTM D 3462	05/11/21
	OCF-505-02-01	ASTM D 3462	05/11/21
Underwriters Laboratories, Inc.	10NK13947	TAS 107	11/12/10
	11CA15662	TAS 107	05/27/11
	11NB21712	TAS 107	02/18/12
	12CA12180	ASTM D3462	03/01/12
	R2453	ASTM D3462	10/20/17

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. Shall not be installed on roof mean heights in excess of 33 ft.
3. 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.

INSTALLATION

1. Shingles shall be installed in compliance with Roofing Application Standard RAS 115.
2. Flashing shall be in accordance with Roofing Application Standard RAS 115
3. The manufacturer shall provide clearly written application instructions.
4. Exposure and course layout shall be in compliance with Detail 'A', attached.
5. Nailing shall be in compliance with Detail 'B', attached.



LABELING

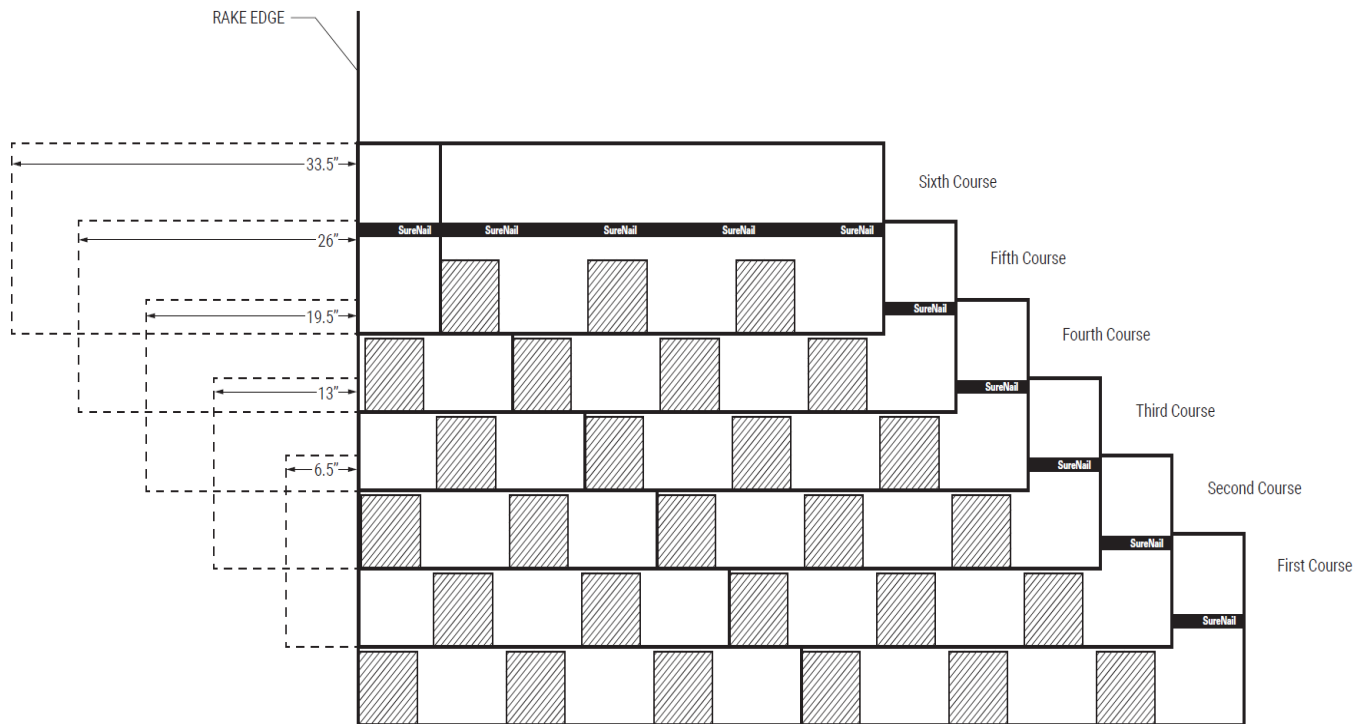
1. Shingles shall be labeled with the Miami-Dade Seal as seen below, or the wording “Miami-Dade County Product Control Approved”.



BUILDING PERMIT REQUIREMENTS

1. Application for building permit shall be accompanied by copies of the following:
 - 1.1 This Notice of Acceptance.
 - 1.2 Any other documents required by the Building Official or the applicable code in order to properly evaluate the installation of this system.

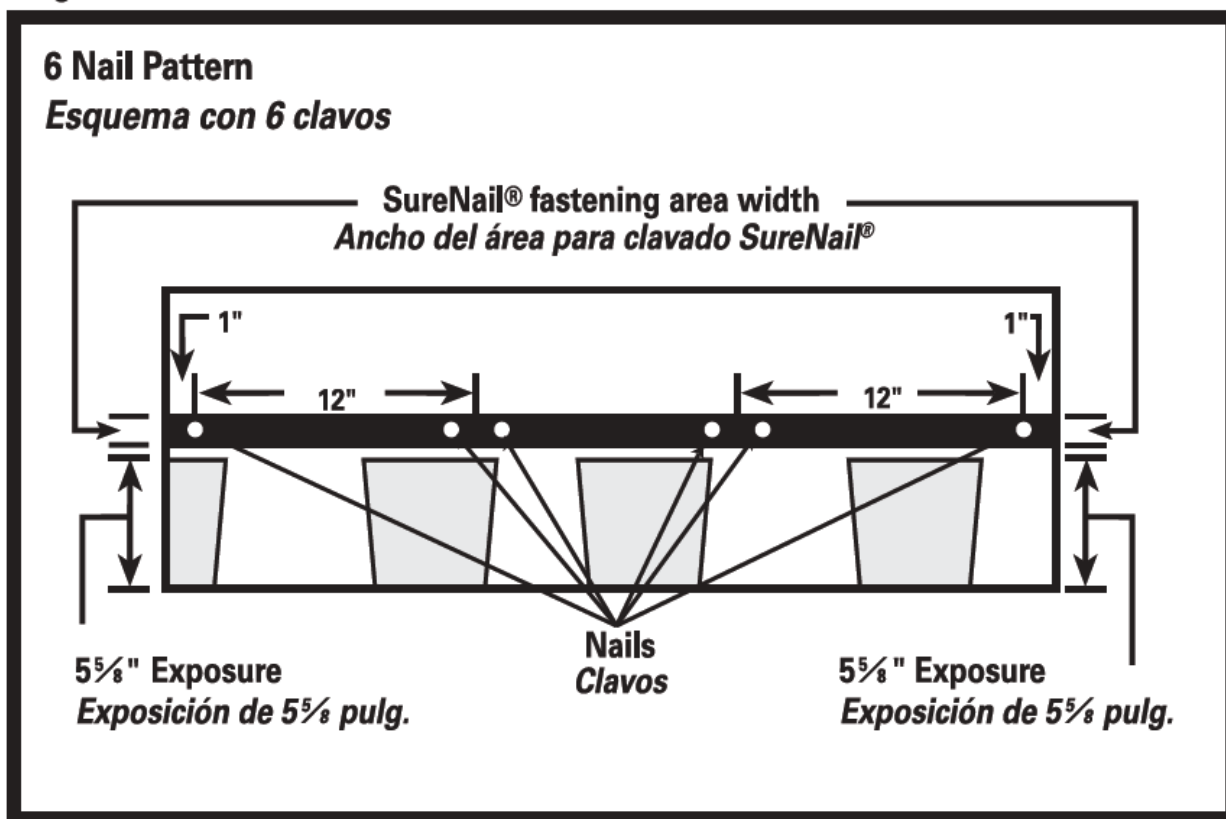
DETAIL A



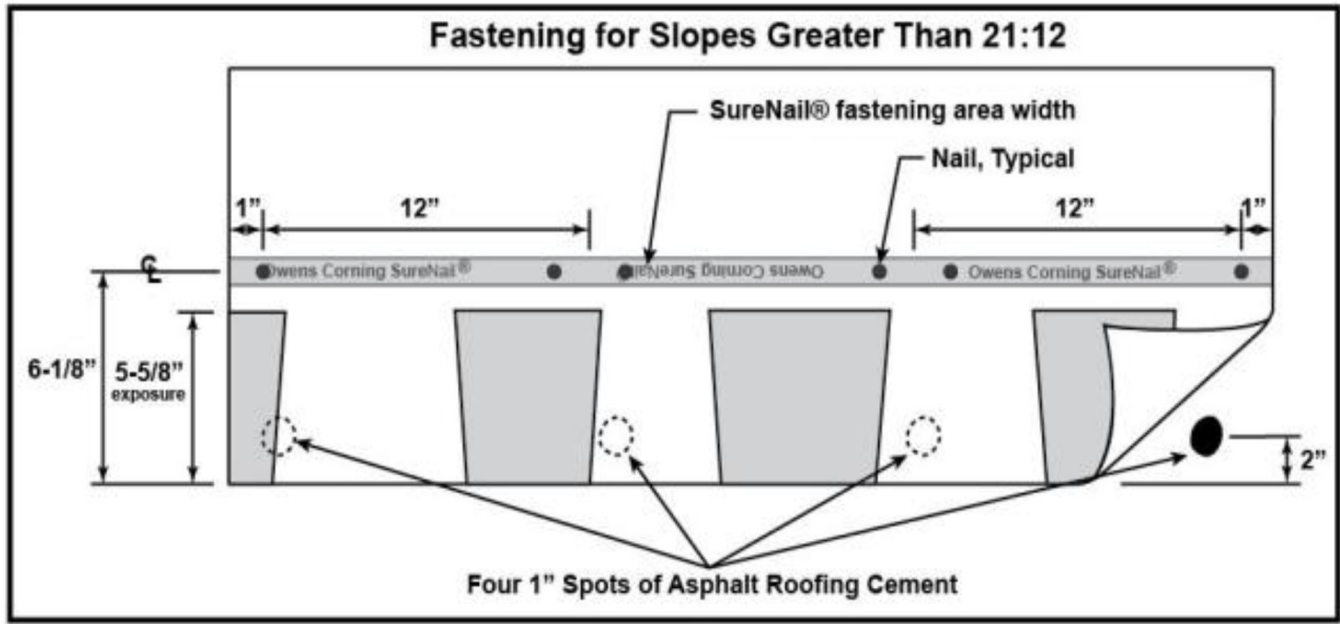
DETAIL B
TRUDEFINITION · DURATION · #
#

(SEALANT MAY BE CONTINUOUS OR DASHED. NOT SHOWN IN THE DETAIL DRAWINGS)

MAXIMUM SLOPE 21:12



SLOPE GREATER THAN 21:12



END OF THIS ACCEPTANCE



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

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

Eagle Roofing Products LLC
1575 East C.R. 470
Sumterville, FL 33585

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: High Profile Concrete Tile

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# 21-0315.02 and consists of pages 1 through 9.
The submitted documentation was reviewed by Alex Tigera.

A handwritten signature in blue ink, appearing to read 'Alex Tigera'.



NOA No. 22-0201.11
Expiration Date: 10/05/26
Approval Date: 11/23/22
Page 1 of 9

ROOFING ASSEMBLY APPROVAL

Category: Roofing
Sub Category: Roofing Tiles
Material: Concrete

1. SCOPE:

This approves a new roofing system using **High Profile Concrete Tile** as manufactured by **Eagle Roofing Products LLC** in **Sumterville, FL** and described in Section 2 of this Notice of Acceptance. For use in locations where the pressure requirements, as determined by applicable Building Code, do not exceed the design pressure values obtained by calculations in compliance with RAS 127 using the values listed in section 4 herein. The attachment calculations shall be done as a moment based system.

2. PRODUCT DESCRIPTION:

<u>Manufactured by Applicant</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
High Profile Concrete Tile	Length = 17" Width = 12 ¼" Thickness = ½"	TAS 112 Type 1a Class III	High profile concrete roof tile. For direct deck or battened nail-on applications.
Trim Pieces	Length = varies Width = varies varying thickness	TAS 112	Accessory trim, concrete roof pieces for use at hips, rakes, ridges and valley terminations. Manufactured for each tile profile.

2.1 PRODUCTS MANUFACTURED BY OTHERS

<u>Product Name</u>	<u>Product Description</u>	<u>Manufacturer (With Current NOA)</u>
ICP Adhesives Polyset® AH-160	Two component polyurethane foam adhesive.	ICP Construction, Inc.
APOC® Polyset® RTA-1	Single component polyurethane foam roof tile adhesive.	ICP Construction, Inc.
TILE BOND™ Roof Tile Adhesive	Single component polyurethane foam roof tile adhesive.	DuPont de Nemours, Inc.
DAP Foam Touch N Seal StormBond® 2 Roof Tile Adhesive	Two component polyurethane foam adhesive.	DAP Foam, Inc.

2.2 MANUFACTURING LOCATION**2.2.1. Sumterville, FL**

2.3 EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
PRI Asphalt Technologies	ERPF-001-02-03	TAS-112	Aug. 2006
Redland Technologies	7161-03 Appendix III	Static Uplift Testing TAS 102 & 102(A)	Dec. 1991
Redland Technologies	Letter Dated Aug. 1, 1994	Wind Tunnel Testing TAS 108 (Nail-On)	Aug. 1994
Redland Technologies	P09647-01	Wind Tunnel Testing TAS 108 (Mortar Set)	Aug. 1994
Redland Technologies	P0402	Withdrawal Resistance Testing of screw vs. smooth shank nails	Sept. 1993
The Center for Applied Engineering, Inc.	94-083	Static Uplift Testing TAS 101 (Adhesive Set)	April 1994
The Center for Applied Engineering, Inc.	94-084	Static Uplift Testing TAS 101 (Mortar Set)	May 1994
The Center for Applied Engineering, Inc.	25-7094-(3, 6 & 9)	Static Uplift Testing TAS 102	Oct. 1994
The Center for Applied Engineering, Inc.	25-7120-(1 & 2)	Static Uplift Testing TAS 102	Nov. 1994
The Center for Applied Engineering, Inc.	25-7183-(3 & 4)	Static Uplift Testing TAS 102	Feb. 1995
The Center for Applied Engineering, Inc.	25-7214-(3, 4, & 7)	Static Uplift Testing TAS 102	March, 1995
The Center for Applied Engineering, Inc.	25-7804-4	Static Uplift Testing TAS 102	Sep. 1996
Celotex Corporation Testing Services	520111-3	Static Uplift Testing TAS 101	Dec. 1998
Celotex Corporation Testing Services	520191-2-1	Static Uplift Testing TAS 101	March 1999
Walker Engineering, Inc.	Calculations	Aerodynamic Multiplier	Sep. 2006
ATL of South Florida	RT0317.03-21	TAS-112	03/27/21
PRI Construction Materials	DAPF-001-02-01 DAPF-004-02-03 DAPF-004-02-04	Static Uplift Testing (Adhesive) TAS 101	11/30/17 07/09/18 07/09/18
NEMO ETC, LLC	4c-DPBS-20-LSOTM-01.D.R1 4c-ICP-21-LSOTM-01.B	TAS 101 TAS 101	12/17/20 01/26/22



3. LIMITATIONS:

- 3.1 Fire classification is not part of this acceptance.
- 3.2 For mortar or adhesive set tile applications, a static field uplift test in accordance with TAS 106 shall be required, refer to applicable Building Code.
- 3.3 Applicant shall retain the services of a Miami-Dade County Certified Laboratory to perform quarterly test in accordance with TAS 112, appendix 'A'. Such testing shall be submitted to the Miami-Dade County Product Control Section for review.
- 3.4 Minimum underlayment shall be in compliance with the applicable Roofing Applications Standards listed section 4.1 herein.
- 3.5 30/90 hot mopped underlayment applications may be installed perpendicular to the roof slope unless stated otherwise by the underlayment material manufacturers published literature.
- 3.6 This acceptance is for wood deck applications. Minimum deck requirements shall be in compliance with applicable Building Code.
- 3.7 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.

4. INSTALLATION

- 4.1 Eagle Roofing Products LLC, High Profile Concrete Tile and its components shall be installed in strict compliance with Roofing Application Standard RAS 118, RAS 119 and RAS 120.
- 4.2 Data For Attachment Calculations:

Table 1: Average Weight (W) and Dimensions (l x w)

Tile Profile	Weight-W (lbf)	Length-l (ft)	Width-w (ft)
High Profile Concrete Tile	10	1.417	1.04

Table 2: Aerodynamic Multipliers - λ (ft³)

Tile Profile	λ (ft ³) Batten Application	λ (ft ³) Direct Deck Application
High Profile Concrete Tile	0.300	0.277

Table 3: Restoring Moments due to Gravity - M_g (ft-lbf)

Tile Profile	2" & 3":12		4":12"		5":12"		6":12"		7":12" or greater	
High Profile Concrete Tile	Battens	Direct Deck	Battens	Direct Deck	Battens	Direct Deck	Battens	Direct Deck	Battens	Direct Deck
	N/A	6.99	6.57	6.88	6.44	6.73	6.28	6.56	6.10	6.38



**Table 4: Attachment Resistance Expressed as a Moment - M_r (ft.-lbf)
for Nail-On Systems**

Tile Profile	Fastener Type	Direct Deck (min 15/32" plywood)	Direct Deck (min. 19/32" plywood)	Battens
High Profile Concrete Tile	2-10d Ring Shank Nails	28.6	41.2	19.4
	1-10d Smooth or Screw Shank Nail	5.1	6.8	2.8
	2-10d Smooth or Screw Shank Nails	6.9	9.2	7.3
	1 #8 Screw	20.7	20.7	18.1
	2 #8 Screw	43.2	43.2	29.8
	1-10d Smooth or Screw Shank Nail (Field Clip)	23.1	23.1	19.0
	1-10d Smooth or Screw Shank Nail (Eave Clip)	29.3	29.3	24.0
	2-10d Smooth or Screw Shank Nails (Field Clip)	27.6	27.6	38.6
	2-10d Smooth or Screw Shank Nails (Eave Clip)	38.1	38.1	41.8
	2-10d Ring Shank Nails ¹	33.1	48.1	45.2

1. Installation with a 4" tile headlap and fasteners are located a min. of 2½" from head of tile.

**Table 5: Attachment Resistance Expressed as a Moment M_r (ft.-lbf)
for Two Paddy Adhesive¹ Set Systems**

Tile Profile	Tile Application	Minimum Attachment Resistance
High Profile Concrete Tile	TILE BOND™ Roof Tile Adhesive	19 ²
	TILE BOND™ Roof Tile Adhesive	58 ³
	ICP Construction Inc.'s Polyset® AH-160	29.3 ⁴
	Touch 'N Seal StormBond® (one component)	49 ⁵
	ICP Construction Inc.'s APOC® Polyset® RTA-1	53.5 ⁶

- 1 See manufacturer component approval for installation requirements.
- 2 Medium paddy weight of 8 grams between tile and underlayment, paddy weight of 8 grams on overlap of tile of TILE BOND™ Roof Tile Adhesive
- 3 Medium paddy weight of 10 grams installed on the center of the back of the tile, second paddy weight of 20 grams on the underlayment. Place tile so that both paddys combine.
- 4 Medium paddy weight of 8 grams per paddy of Polyset® AH-160
- 5 Medium paddy weight of 8 grams between tile and underlayment, paddy weight of 4 grams on overlap of tile of Touch 'N Seal StormBond® (one component)
- 6 Medium paddy weight of 22 grams (two beads of 11grams each) between tile and underlayment, paddy weight of 11 grams on overlap of tile of APOC® Polyset® RTA-1



**Table 6: Attachment Resistance Expressed as a Moment - M_f (ft.-lbf)
for Single Patty Adhesive Set Systems**

Tile Profile	Tile Application ⁷	Minimum Attachment Resistance
High Profile Concrete Tile	ICP Construction Inc.'s Polyset® AH-160	66.5 ⁸
	ICP Construction Inc.'s Polyset® AH-160	38.7 ⁹
	DAP Foam Touch N Seal StormBond® 2 Roof Tile Adhesive	61 ¹⁰
	DAP Foam Touch N Seal StormBond® 2 Roof Tile Adhesive	37 ¹¹

7 See manufactures component approval for installation requirements

8 ICP Construction Inc.'s Polyset® AH-160 Large paddy placement of 63 grams

9 ICP Construction Inc.'s Polyset® AH-160 Medium paddy placement of 24 grams

10 DAP Foam Touch N Seal StormBond® 2 Roof Tile Adhesive weight per paddy 60 grams

11 DAP Foam Touch N Seal StormBond® 2 Roof Tile Adhesive weight per paddy 30 grams

**Table 7: Attachment Resistance Expressed as a Moment - M_f (ft.-lbf)
for Mortar Set Systems**

Tile Profile	Tile Application	Attachment Resistance
High Profile Concrete Tile	Mortar Set ¹¹	24.5
12 Tile-Tite Roof Tile Mortar.		

**Table 8: Attachment Resistance Expressed as a Moment M_f (ft.-lbf)
for Hybrid Attachment**

Tile Profile	Tile Application	Minimum Attachment Resistance
High Profile Concrete Tile	Two (2) #8 Screws and ICP Construction Inc.'s APOC® Polyset® RTA-1	57.1 ¹³

13 Medium paddy weight of 11 grams per paddy of APOC® Polyset® RTA-1 at headlap. **See Detail A.**

5. LABELING :

All tiles shall bear the imprint or identifiable marking of the manufacturer's name or logo (**See Detail Below**), or following statement: "Miami-Dade County Product Control Approved".



(LOCATED ON UNDERSIDE OF TILE)

OR

EAGLE FL

(LOCATED ON FRONTSIDE OF TILE)

6. BUILDING PERMIT REQUIREMENTS:

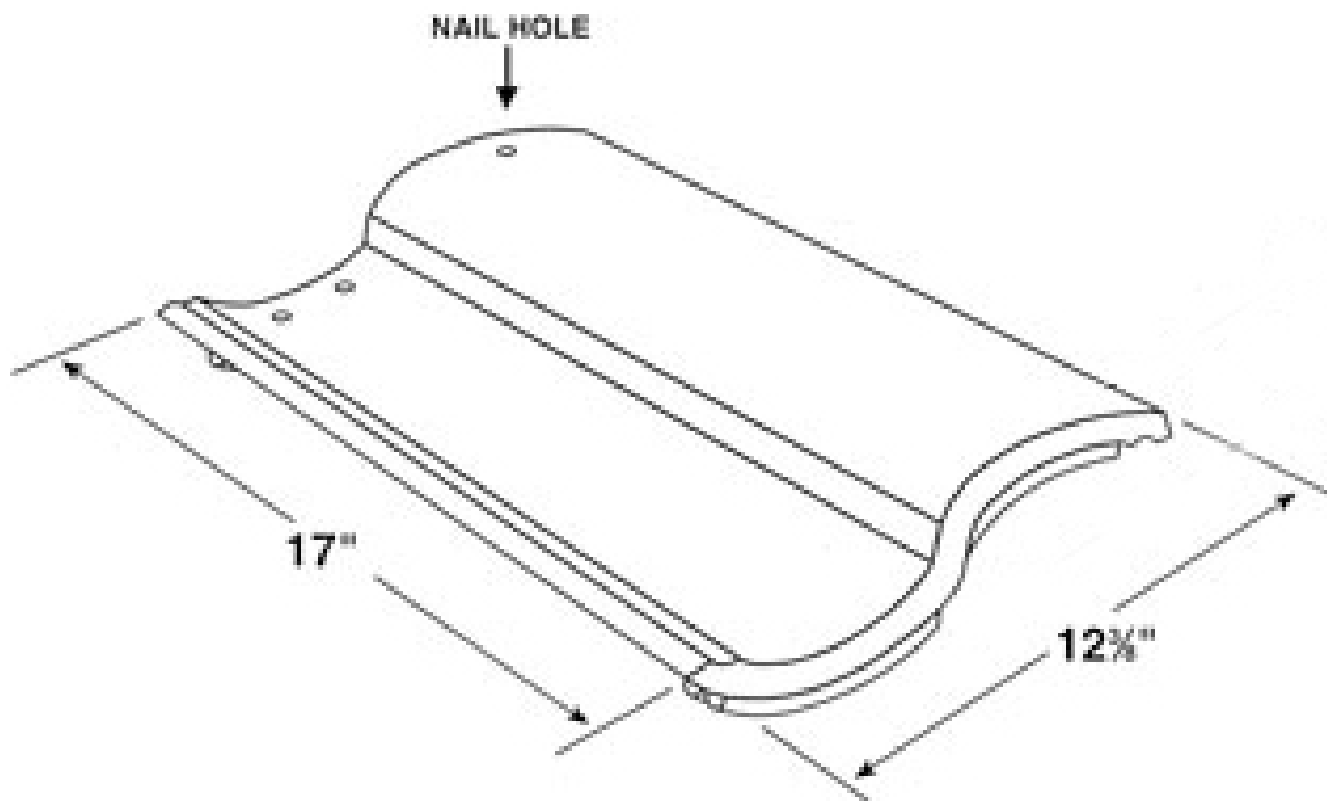
6.1 Application for building permit shall be accompanied by copies of the following:

6.1.1 This Notice of Acceptance.

6.1.2 Any other documents required by AHJ or applicable Building Code in order to properly evaluate the installation of this system.

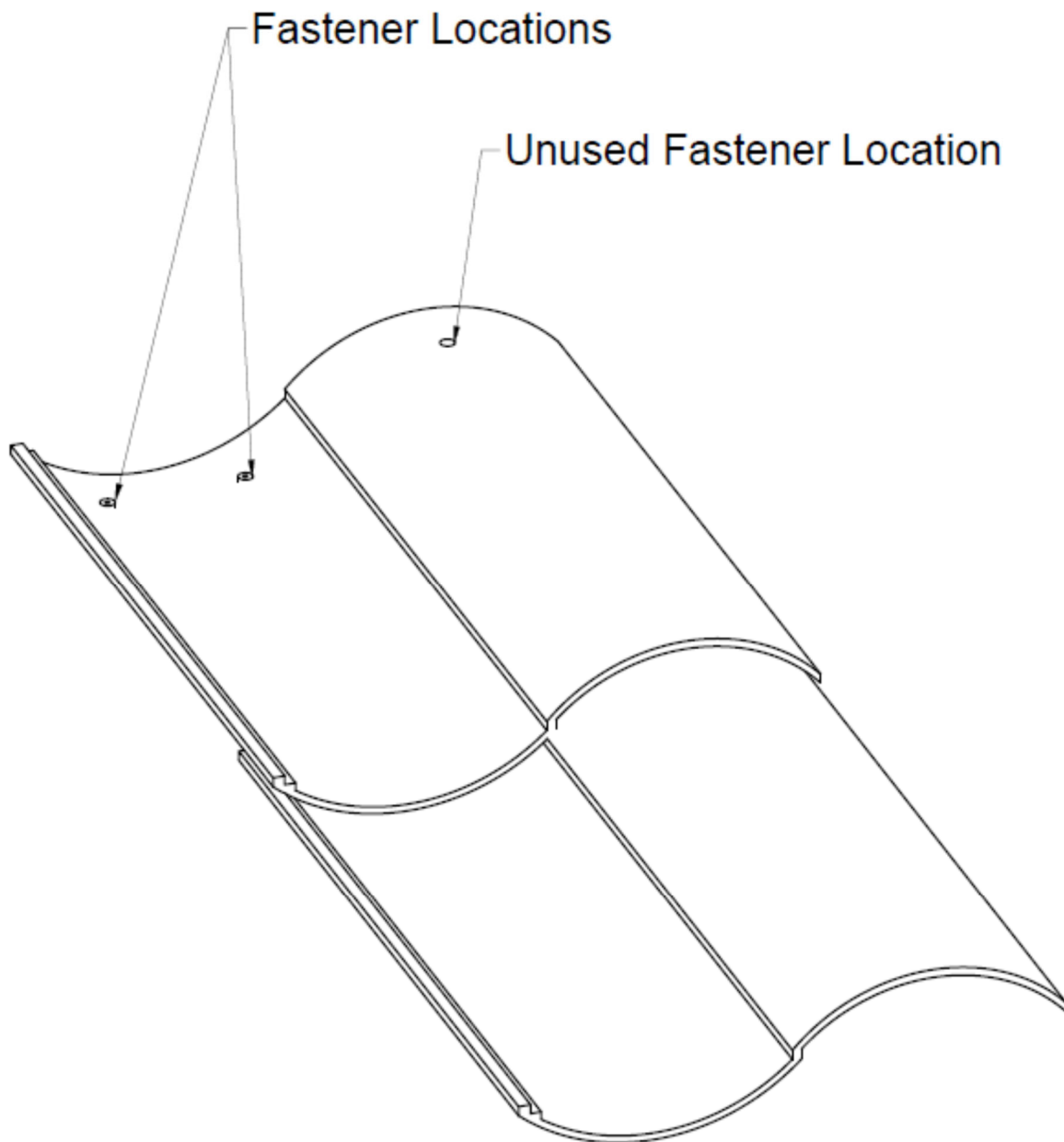


PROFILE DRAWING



HIGH PROFILE CONCRETE TILE

DETAIL A



END OF THIS ACCEPTANCE



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

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

Mid-States Asphalt and Cant Strip, Inc.
1637 51st Avenue
Tuscaloosa, AL. 35401

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: #30 Asphalt Saturated Organic Felt

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 3.

The submitted documentation was reviewed by Jorge L. Acebo.

A handwritten signature in blue ink, appearing to read "Jorge L. Acebo", is written over the bottom right portion of the page.



NOA No.: 23-0112.07
Expiration Date: 05/11/28
Approval Date: 05/11/23
Page 1 of 3

ROOFING COMPONENT APPROVAL

Category: Roofing
Sub-Category: Underlayments
Material: Asphalt

SCOPE:

This NOA approves **#30 Asphalt Saturated Organic Felt** as manufactured by Mid-States Asphalt and Cant Strip, Inc., as described in this Notice of Acceptance; designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
#30 Asphalt Saturated Organic Felt	36" x 72' rolls	ASTM D 226 Type II	Asphalt saturated organic felt designed for use as an underlayment with asphalt shingles.

MANUFACTURING LOCATIONS:

1. Griffin, GA
2. Tuscaloosa, AL

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
PRI Construction Materials Technologies	1085T0033	ASTM D 226 Type II	08/30/22
	1085T0042	ASTM D 226 Type II	12/21/22

INSTALLATION

1. #30 Asphalt Saturated Organic Felt and its components shall be installed in strict compliance with applicable Building Codes.
2. #30 Asphalt Saturated Organic Felt shall be installed with 4-inch head laps in a single layer fashion and a 6-inch end lap.
3. #30 Asphalt Saturated Organic Felt shall be fastened with corrosion resistant tin-caps and 12 gauge 1-1/4" annular ring-shank nails, spaced 6" o.c. at the laps and two (2) staggered rows in the field spaced 12" o.c.
4. #30 Asphalt Saturated Organic Felt may be used with asphaltic shingles, wood shakes and shingles, non-structural metal roofing, quarry slate, and tile roofing when used as a mechanically attached base sheet.



NOA No.: 23-0112.07
 Expiration Date: 05/11/28
 Approval Date: 05/11/23
 Page 2 of 3

BUILDING PERMIT REQUIREMENTS:

Application for building permit shall be accompanied by copies of the following:

1. This Notice of Acceptance.
2. Any other documents required by the Building Official or applicable building code in order to properly evaluate the installation of this material.

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. #30 Asphalt Saturated Organic Felt shall not be left exposed for more than 30 days.
3. This acceptance is for prepared roofing applications. Minimum deck requirements shall be in compliance with applicable building code.
4. All packaging shall bear the imprint or identifiable marking of the manufacturer's name or logo and a yellow line in the center of the roll to identify the ASTM Standard designation or the Miami-Dade County Product Control Seal as shown below.



END OF THIS ACCEPTANCE



NOA No.: 23-0112.07
Expiration Date: 05/11/28
Approval Date: 05/11/23
Page 3 of 3



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

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Polyglass USA Inc.
1111 W. Newport Center Drive
Deerfield Beach, FL 33442

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: Polyglass Polystick Underlayments

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# 23-1115.06 and consists of pages 1 through 23.
The submitted documentation was reviewed by Alex Tigera.

A handwritten signature in blue ink, appearing to read 'Alex Tigera'.

09/26/24



NOA No.: 24-0805.04
Expiration Date: 09/13/27
Approval Date: 09/26/24
Page 1 of 23

ROOFING COMPONENT APPROVAL

Category: Roofing
Sub-Category: Underlayment
Material: SBS, APP

PRODUCTS DESCRIPTION:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Polystick IR-Xe <i>Manufacturing Location #1, #2, & #3</i>	65' x 3'3-3/8" Or 33.4' x 3'3-3/8" 60 mils thick	ASTM D1970	A fine granular/sand top surface self-adhering, APP polymer modified, fiberglass reinforced, bituminous sheet material for use as an underlayment in sloped roof assemblies. Designed as an ice & rain shield.
Polystick MU-X <i>Manufacturing Location #2</i>	65' x 3' 60 mils thick	ASTM D1970	A polypropylene film surface self-adhering, SBS polymer modified, fiberglass reinforced, bituminous sheet material for use as an underlayment in sloped roof assemblies. Designed as an ice & rain shield.
Polystick TU Max <i>Manufacturing Location #1, #2, #3, & #5</i>	65'8" x 3'3-3/8" 60 mils thick	TAS 103	A rubberized asphalt self-adhering, polyester reinforced waterproofing membrane. Designed as a a roof tile underlayment.
Polystick TU Max <i>Manufacturing Location #1 & #3</i>	65'8" x 3'3-3/8" 60 mils thick	ASTM D1970	A rubberized asphalt self-adhering, polyester reinforced waterproofing membrane. Designed as a a roof tile underlayment.
Polystick TU P <i>Manufacturing Location #1, #2, & #3</i>	32'10" x 3'3-3/8" 130 mils thick	TAS 103	A rubberized asphalt waterproofing membrane, glass-fiber/polyester reinforced, with a granular surface designed for use as a tile roof underlayment.
Polystick TU Plus (Surface Printing) <i>Manufacturing Location #1, #2, #3, & #5</i>	65' x 3'3-3/8" 80 mils thick	TAS 103	A rubberized asphalt self-adhering, glass-fiber/polyester reinforced waterproofing membrane. Designed as a metal roofing and roof tile underlayment.
Polystick TU Plus (Surface Printing) <i>Manufacturing Location ##3 & #5</i>	65' x 3'3-3/8" 80 mils thick	ASTM D1970	A rubberized asphalt self-adhering, glass-fiber/polyester reinforced waterproofing membrane. Designed as a metal roofing and roof tile underlayment.
HydraGuard Dual Pro <i>Manufacturing Location #1, #2, #3, & #5</i>	65' x 3'3-3/8" 80 mils thick	TAS 103	A rubberized asphalt self-adhering, glass-fiber/polyester reinforced waterproofing membrane. Designed as a metal roofing and roof tile underlayment.

PRODUCTS DESCRIPTION:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
HydraGuard Tile Pro <i>Manufacturing Location #1, #2, #3, & #5</i>	65' x 3'3- ³ / ₈ " 80 mils thick	TAS 103	A rubberized asphalt self-adhering, glass-fiber/polyester reinforced waterproofing membrane. Designed as a metal roofing and roof tile underlayment.
Polystick MTS <i>Manufacturing Location #1, #2, #3, and #4</i>	65'8" x 3'3- ³ / ₈ " 60 mils thick	TAS 103	A homogeneous, rubberized asphalt waterproofing membrane, glass fiber reinforced with polyolefinic film on the upper surface for use as an underlayment for metal roofing, roof tile, slate tiles and shingle underlayment.
Polystick MTS <i>Manufacturing Location #2, #3, #4, & #5</i>	65'8" x 3'3- ³ / ₈ " 60 mils thick	ASTM D 1970	A homogeneous, rubberized asphalt waterproofing membrane, glass fiber reinforced with polyolefinic film on the upper surface for use as an underlayment for metal roofing, roof tile, slate tiles and shingle underlayment.
Polystick MTS Plus <i>Manufacturing Location #1, #2, #3, & #4</i>	65'8" x 3'3- ³ / ₈ " 60 mils thick	TAS 103	A homogeneous, rubberized asphalt waterproofing membrane, glass fiber reinforced with polyolefinic film on the upper surface for use as an underlayment for metal roofing, roof tile, slate tiles and shingle underlayment.
Polystick MTS Plus <i>Manufacturing Location #2, #3, #4, & #5</i>	65'8" x 3'3- ³ / ₈ " 60 mils thick	ASTM D 1970	A homogeneous, rubberized asphalt waterproofing membrane, glass fiber reinforced with polyolefinic film on the upper surface for use as an underlayment for metal roofing, roof tile, slate tiles and shingle underlayment.
Elastoflex S6 G <i>Manufacturing Location #1 & #2</i>	32'10" x 3'3- ³ / ₈ "	TAS 103 (partial) and ASTM D6164	Polyester reinforced, SBS modified bitumen membrane with a sanded back face and a granule top surface. For use in roof tile underlayment systems.
Polyflex SA P <i>Manufacturing Location #2 & #3</i>	32' 10" x 3' 3- ³ / ₈ "	TAS 103 (partial) and ASTM D6222	Self-adhered, polyester reinforced, APP modified bitumen membrane with a self-adhering back face and a granule top surface.
ELASTOFLEX SA V <i>Manufacturing Location #2, #3 & #4</i>	65' 8" x 3' 3- ³ / ₈ "	ASTM D1970	Self-adhered, fiberglass reinforced, SBS modified bitumen base or interplay membrane with a self-adhering back face and a smooth top surface.
ELASTOFLEX SA V Flashing Strips <i>Manufacturing Location #2, #3 & #4</i>	Various	ASTM D1970	Self-adhered, fiberglass reinforced, SBS flashing strip with a self-adhering back face and a smooth top surface.

PRODUCTS DESCRIPTION:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Polyanchor HV <i>Manufacturing Location #6</i>	61' x 39- ³ / ₈ "	ASTM D226	Polymer modified base sheet.
Polyanchor SU <i>Manufacturing Location #7</i>	286' x 42"	ASTM D8257	Polyolefin-based synthetic underlayment with a woven polymeric scrim and a slip resistant textured fabric on the topside.
Polystick XFR <i>Manufacturing Location #3 & #4</i>	49' x 39- ³ / ₈ " 80 mils thick	TAS 103 (partial)	A fire resistant, rubberized asphalt waterproofing membrane, glass fiber reinforced with polyolefinic film on the upper surface for use as an underlayment for shingle, metal, and wood.
Polystick XFR <i>Manufacturing Location #4</i>	49' x 39- ³ / ₈ " 80 mils thick	ASTM D1970	A fire resistant, rubberized asphalt waterproofing membrane, glass fiber reinforced with polyolefinic film on the upper surface for use as an underlayment for shingle, metal, and wood.

MANUFACTURING PLANTS:

1. Hazelton, PA
2. Winter Haven, FL
3. Waco, TX
4. Fernley, NV
5. Ponte di Piave TV, Italy
6. Kanjiza, Serbia
7. Silvassa, India

EVIDENCE SUBMITTED

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
PRI	DAPF-002-02-01	ASTM D1623	03/08/18
	708T0203.1	UL 1897	07/28/23
	708T0233	ASTM D8257	11/02/23
	708T0222.5	UL 1897	11/06/23
	708T0227.1	UL 1897	11/06/23
	708T0227.2	UL 1897	11/06/23
	708T0227.3	UL 1897	11/06/23
	708T0227.4	UL 1897	11/06/23
	708T0227.5	UL 1897	11/06/23
	708T0193.1	UL 1897	11/29/23
	708T0234.3	UL 1897	01/18/24
	708T0234.5	UL 1897	01/18/24
	708T0235.1	UL 1897	01/19/24
	708T0235.2	UL 1897	01/19/24
	708T0235.3	UL 1897	01/19/24
	708T0235.4	UL 1897	01/19/24
Trinity ERD	P40390.10.12	ASTM D 1970	10/03/12
	P37590.07.13-1	ASTM D6164	07/02/13
	P41630.08.13	TAS 114 & FM 4474	08/06/13
	P45270.05.14	TAS 103, TAS 110 & ASTM D1623	05/12/14
	P46520.10.14	ASTM D1623	10/03/14
	P44360.10.14-R1	TAS 103 & TAS 110	10/07/14
	P43290.10.14-R1	ASTM D 1970 & TAS 110	10/17/14
	PLYG-SC7550.03.15	TAS 103 & ASTM D4798	03/24/15
	PLYG-SC10130.06.16-3	TAS 103 & TAS 110	06/27/16
	PLYG-SC10130.06.16-1	ASTM D1970 & TAS 110	06/27/16
	PLYG-SC10130.09.16	ASTM D1623	09/22/16
	PLYG-SC13035.08.17	TAS 103 & ASTM D4798	10/31/17
NEMO ETC, LLC	PLYG-SC13320.10.17-R1	TAS 103	10/25/17
	4-PLYG-18-004.03.18	ASTM D1970	03/29/18
	4S-PLYG-18-002.01.19-A	ASTM D6163	01/24/19
	4j-PLYG-19-SSUDL-00.A	ASTM D1970	09/10/19
	4S-PLYG-18-004.10.19-G	TAS 103	10/08/19
	4S-PLYG-18-004.10.19-I	TAS 103	10/08/19
	4S-PLYG-18-004.10.19-L	TAS 103	10/09/19
	4S-PLYG-18-004.12.19-F	TAS 103	12/18/19
	4j-PLYG-19-SSUDL-02.A	TAS 103	01/02/20
	4S-PLYG-18-004.01.20-H	ASTM D1970	01/14/20
	4S-PLYG-18-004.01.20.K	ASTM D1970	01/14/20
	4S-PLYG-18-004.01.20.A	TAS 103	01/16/20
	4S-PLYG-18-004.01.20.B	ASTM D6164	01/16/20
	4p-DOW-19-SSLAP-01.A.R2	ASTM D1623	02/10/20
	PLYG-SC15855.05.20-A	TAS 103 & TAS 110	05/29/20
	4j-PLYG-20-SSUDL-10.A	ASTM D1970	10/09/20
	4S-PLYG-18-004.12.19.D	ASTM D1970	10/27/20
	4j-PLYG-19-SSUDL-01.A	TAS 103	11/18/20
	4j-PLYG-20-SSUDL-05.C	TAS 103	11/19/20

EVIDENCE SUBMITTED

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
	4j-PLYG-20-SSUDL-05.A	ASTM D1970	11/19/20
	4p-ICP-20-SSLAP-03.A-R1	ASTM D1623	03/04/21
	PLYG-SC15855.06.20-B	ASTM D4073	05/12/21
	4j-PLYG-21-SSUDL-03.A	ASTM D1970	10/29/21
	4j-PLYG-20-SSUDL-07.A	ASTM D1623	10/29/21
	4j-PLYG-20-SSUDL-09.A	TAS 103	10/29/21
	4j-PLYG-21-SSUDL-04.B	ASTM D1970	01/17/22
	4j-PLYG-21-SSUDL-09.A	ASTM D1970	02/14/22
	4j-PLYG-21-SSUDL-04.A.R1	TAS 103	07/05/22
	4j-PLYG-22-SSUDL-01.A	ASTM D1970	09/08/22
	4j-PLYG-22-SSUDL-02.A	ASTM D1970	09/08/22
	4j-PLYG-22-SSUDL-03.A	ASTM D1970	09/08/22
	4j-PLYG-21-SSUDL-02.A	ASTM D4073	10/12/22
	4j-PLYG-22-SSUDL-06.A	TAS 103	06/14/23
	4j-PLYG-23-SSUDL-05.A	ASTM D226 & ASTM D2626	08/31/23
	4j-PLYG-23-SSUDL-05.B	TAS 117(B)	08/31/23
	4j-PLYG-21-SSUDL-04.A.2	TAS 103	11/13/23
	4j-PLYG-23-SSUDL-04.A	TAS 103	12/12/23
	4j-PLYG-23-SSUDL-03.A	TAS 103	02/08/24
	4j-PLYG-SSUDL-002.A	ASTM D1970	03/05/24

LABELING:

1. All membranes or packaging shall bear the imprint or identifiable marking of the manufacturer's name or logo, city and state of manufacturing facility and the following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below.



BUILDING PERMIT REQUIREMENTS:

Application for building permit shall be accompanied by copies of the following:

1. This Notice of Acceptance.
2. Any other documents required by the Building Official or applicable building code in order to properly evaluate the installation of this materials.



INSTALLATION PROCEDURES:

Deck Type 1:	Wood, non-insulated
Deck Description:	Min. 19/32" plywood or wood plank
System Type E(1):	Anchor sheet mechanically fastened to deck, membrane adhered
Anchor/Base Sheet:	One or more plies of ASTM D 226 Type II or ASTM D 2626.
Fastening:	Per FBC 1518.2 & 1518.4 Nails and tin caps 12" grid, 6" o.c. at a minimum 4" head lap. (for base sheet only)
Membrane:	Polystick XFR , self-adhered.
Surfacing:	See General Limitation 2. Tile Roofing is not an approved roof covering for use with this assembly.
Deck Type 1:	Wood, non-insulated
Deck Description:	Min. 19/32" plywood or wood plank
System Type E(2):	Anchor sheet mechanically fastened to deck, membrane adhered
Anchor/Base Sheet:	One or more plies of ASTM D 226 Type II or ASTM D 2626.
Fastening:	Per FBC 1518.2 & 1518.4 Nails and tin caps 12" grid, 6" o.c. at a minimum 4" head lap. (for base sheet only)
Membrane:	Polystick IR-Xe, Polystick MU-X, Polystick TU Max, Polystick TU P, Polystick TU Plus, HydraGuard Dual Pro, HydraGuard Tile Pro, Polystick MTS, Polystick MTS Plus, Polyflex SA P or ELASTOFLEX SA V , self-adhered.
Surfacing:	See General Limitation 2. Tile Roofing is not an approved roof covering for use with this assembly.
Deck Type 1:	Wood, non-insulated
Deck Description:	Min. 19/32" plywood or wood plank
System Type E(3):	Anchor sheet mechanically fastened to deck, membrane adhered
Anchor/Base Sheet:	One or more plies of ASTM D 226 Type II or ASTM D 2626.
Fastening:	Per FBC 1518.2 & 1518.4 Nails and tin caps 12" grid, 6" o.c. at a minimum 4" head lap. (for base sheet only)
Membrane:	Elastoflex S6 G , hot asphalt applied.
Surfacing:	See General Limitation 2. Tile Roofing is not an approved roof covering for use with this assembly.



Deck Type 1:	Wood, non-insulated
Deck Description:	Min. 19/32" plywood or wood plank
System Type E(4):	Base sheet mechanically fastened to deck, subsequent cap membrane self- adhered.
Anchor/Base Sheet:	One or more plies of ASTM D 226 Type II or ASTM D 2626.
Fastening:	Per FBC 1518.2 & 1518.4 Nails and tin caps 12" grid, 6" o.c. at a minimum 4" head lap. (for base sheet only)
Ply Sheet:	Polystick MTS or Polystick MTS Plus , self-adhered with minimum 3" horizontal laps and minimum 6" vertical laps.
Membrane:	Polystick TU Plus, HydraGuard Tile Pro or HydraGuard Dual Pro , self-adhered.
Surfacing:	See General Limitation 2. Tile Roofing is not an approved roof covering for use with this assembly.
Deck Type 1:	Wood, non-insulated
Deck Description:	Min. 19/32" plywood or wood plank
System Type E(5):	Base sheet mechanically fastened to deck, subsequent cap membrane self- adhered.
Anchor/Base Sheet:	One or more plies of ASTM D 226 Type II or ASTM D 2626.
Fastening:	Per FBC 1518.2 & 1518.4 Nails and tin caps 12" grid, 6" o.c. at a minimum 4"head lap. (for base sheet only)
Ply Sheet:	Polystick MTS or Polystick MTS Plus , self-adhered with minimum 3" horizontal laps and minimum 6" vertical laps.
Membrane:	Polystick TU Max , self-adhered.
Surfacing:	See General Limitation 2. Tile Roofing is not an approved roof covering for use with this assembly.

Deck Type 1:	Wood, non-insulated
Deck Description:	Min. 19/32" plywood or wood plank
System Type E(6):	Base sheet mechanically fastened to deck, subsequent cap membrane self- adhered.
Anchor/Base Sheet:	One or more plies of ASTM D 226 Type II or ASTM D 2626.
Fastening:	Per FBC 1518.2 & 1518.4 Nails and tin caps 12" grid, 6" o.c. at a minimum 4"head lap. (for base sheet only)
Ply Sheet:	Polystick MTS or Polystick MTS Plus , self-adhered with minimum 3" horizontal laps and minimum 6" vertical laps.
Membrane:	Polystick TU P , self-adhered.
Surfacing:	See General Limitation 2. Tile Roofing is not an approved roof covering for use with this assembly.

Deck Type 1:	Wood, non-insulated
Deck Description:	Min. 19/32" plywood or wood plank
System Type E(7):	Base sheet mechanically fastened to deck, subsequent cap membrane self-adhered.
Anchor/Base Sheet:	One or more plies of ASTM D 226 Type II or ASTM D 2626.
Fastening:	Per FBC 1518.2 & 1518.4 Nails and tin caps 12" grid, 6" o.c. at a minimum 4"head lap. (for base sheet only)
Ply Sheet:	Polystick MTS or Polystick MTS Plus , self-adhered with minimum 3" horizontal laps and minimum 6" vertical laps.
Membrane:	Polystick MTS or Polystick MTS Plus , self-adhered.
Surfacing:	See General Limitation 2. Tile Roofing is not an approved roof covering for use with this assembly.

Deck Type 1:	Wood, non-insulated
Deck Description:	19/32" PS 1-09 rated, 40/20 span rating, Exposure 1, CDX, 4-ply or greater plywood or wood plank secured with 0.113" x 2-3/8" ring shank nails spaced 6" o.c. along the perimeter and intermediate supports maximum spaced 24" o.c.
System Type E(8):	Anchor/Base sheet mechanically fastened to deck. Membrane subsequently adhered.
Anchor/Base Sheet:	Polyanchor HV , mechanically attached to the deck as described below:
Fastening:	Attach base sheet using 12 ga. x 1-1/2" long x 3/8 head diameter annular ring shank roofing nails with 32 ga., 1-5/8" diameter tin caps spaced 6" o.c. in a 4" lap and 12" o.c. in two staggered rows.
Membrane:	Polystick TU Max** , back-nailed using 12 ga. x 1-1/2" long x 3/8 head diameter annular ring shank roofing nails with 32 ga., 1-5/8" diameter tin caps max 12" o.c.
Surfacing:	See General Limitation 2.
Underlayment Uplift Design Pressure:	-45 psf*

* Underlayment Uplift Design Pressure rating above is included for additional analysis of the underlayment assembly only by the Authority Having Jurisdiction. This value does not include the roof system. Refer to roof system NOA for maximum design pressure of the final roof assembly.

**Winter Haven, FL. manufacturing location only.

Deck Type 1:	Wood, non-insulated
Deck Description:	15/32" PS 1-09 rated, 32/16 span rating, Exposure 1, CDX, 4-ply plywood or wood plank secured with 0.113" x 2-3/8" ring shank nails spaced 6" o.c. along the perimeter and intermediate supports maximum spaced 24" o.c.
System Type E(9):	Anchor/Base sheet mechanically fastened to deck. Membrane subsequently adhered.
Anchor/Base Sheet:	Polyanchor HV , mechanically attached to the deck as described below:
Fastening:	Attach base sheet using 12 ga. x 1-1/4" long x 3/8 head diameter annular ring shank roofing nails with 32 ga., 1-5/8" diameter tin caps spaced 8" o.c. in a 4" lap and 8" o.c. in three equally spaced center rows.
Membrane:	Polystick TU Max** , back-nailed using 12 ga. x 1-1/4" long x 3/8 head diameter annular ring shank roofing nails with 32 ga., 1-5/8" diameter tin caps max 12" o.c.
Surfacing:	See General Limitation 2.
Underlayment Uplift Design Pressure:	-60 psf*
* Underlayment Uplift Design Pressure rating above is included for additional analysis of the underlayment assembly only by the Authority Having Jurisdiction. This value does not include the roof system. Refer to roof system NOA for maximum design pressure of the final roof assembly.	

****Winter Haven, FL. manufacturing location only.**

Deck Type 1:	Wood, non-insulated
Deck Description:	19/32" PS 1-19 rated, 40/20 span rating, CDX, 4-ply or greater plywood or wood plank secured with 0.113" x 2-3/8" ring shank nails spaced 6" o.c. along the perimeter and intermediate supports maximum spaced 24" o.c.
System Type E(10):	Anchor/Base sheet mechanically fastened to deck. Membrane subsequently adhered.
Anchor/Base Sheet:	Tamko #30 Felt , mechanically attached to the deck as described below:
Fastening:	Attach base sheet using 12 ga. x 1-1/4" long x 3/8 head diameter annular ring shank roofing nails with 32 ga., 1-5/8" diameter tin caps spaced 6" o.c. in a 4" lap and 6" o.c. in three equally spaced center rows.
Membrane:	Polystick TU Max** , back-nailed using 12 ga. x 1-1/4" long x 3/8 head diameter annular ring shank roofing nails with 32 ga., 1-5/8" diameter tin caps max 12" o.c.
Surfacing:	See General Limitation 2.
Underlayment Uplift Design Pressure:	-67.5 psf*
* Underlayment Uplift Design Pressure rating above is included for additional analysis of the underlayment assembly only by the Authority Having Jurisdiction. This value does not include the roof system. Refer to roof system NOA for maximum design pressure of the final roof assembly.	

**Winter Haven, FL. manufacturing location only.

Deck Type 1:	Wood, non-insulated
Deck Description:	15/32" PS 1-09 rated, 32/16 span rating, CDX, 4-ply plywood or wood plank secured with 0.113" x 2-3/8" ring shank nails spaced 6" o.c. along the perimeter and intermediate supports maximum spaced 24" o.c.
System Type E(11):	Anchor/Base sheet mechanically fastened to deck. Membrane subsequently adhered.
Anchor/Base Sheet:	Polyanchor HV , mechanically attached to the deck as described below:
Fastening:	Attach base sheet using 12 ga. x 1-1/4" long x 3/8 head diameter annular ring shank roofing nails with 32 ga., 1-5/8" diameter tin caps, Trufast VERSA-FAST Fasteners with Trufast VERSA-FAST Metal Plates, Trufast #12 DP Fasteners with Trufast 3" Metal Insulation Plates, Defkast DF-#12-PH3 fasteners with Dekfast PLT-R-3 plates, Dekfast PLT-H-2-7/8 plates, OMG #12 Standard Roofgrip fasteners with OMG 3" Round Metal Plates, and OMG AccuTrac Flat Bottom plates spaced 8" o.c. in a 4" lap and 8" o.c. in three staggered rows in the field.
Membrane:	Polystick TU Plus** , HydraGuard Dual Pro** or HydraGuard Tile Pro** , back-nailed using 12 ga. x 1-1/4" long x 3/8 head diameter annular ring shank roofing nails with 32 ga., 1-5/8" diameter tin caps max 12" o.c.
Surfacing:	See General Limitation 2.
Underlayment Uplift Design Pressure:	-67.5 psf*

* Underlayment Uplift Design Pressure rating above is included for additional analysis of the underlayment assembly only by the Authority Having Jurisdiction. This value does not include the roof system. Refer to roof system NOA for maximum design pressure of the final roof assembly.

**Winter Haven, FL. manufacturing location only.



Deck Type 1:	Wood, non-insulated
Deck Description:	19/32" PS 1-09 rated, 40/20 span rating, CDX, 4-ply or greater plywood or wood plank secured with 0.113" x 2-3/8" ring shank nails spaced 6" o.c. along the perimeter and intermediate supports maximum spaced 24" o.c.
System Type E(12):	Anchor/Base sheet mechanically fastened to deck. Membrane subsequently adhered.
Anchor/Base Sheet:	Polyanchor HV , mechanically attached to the deck as described below:
Fastening:	Attach base sheet using 12 ga. x 1-1/4" long x 3/8 head diameter annular ring shank roofing nails with 32 ga., 1-5/8" diameter tin caps spaced 10" o.c. in a 4" lap and 10" o.c. in three staggered rows.
Membrane:	Polystick TU Max** , back-nailed using 12 ga. x 1-1/4" long x 3/8 head diameter annular ring shank roofing nails with 32 ga., 1-5/8" diameter tin caps max 12" o.c.
Surfacing:	See General Limitation 2.
Underlayment Uplift Design Pressure:	-75 psf*

* Underlayment Uplift Design Pressure rating above is included for additional analysis of the underlayment assembly only by the Authority Having Jurisdiction. This value does not include the roof system. Refer to roof system NOA for maximum design pressure of the final roof assembly.

**Winter Haven, FL. manufacturing location only.

Deck Type 1:	Wood, non-insulated
Deck Description:	15/32" PS 1-09 rated, 32/16 span rating, CDX, 4-ply plywood or wood plank secured with 0.113" x 2-3/8" ring shank nails spaced 6" o.c. along the perimeter and intermediate supports maximum spaced 24" o.c.
System Type E(13):	Anchor/Base sheet mechanically fastened to deck. Membrane subsequently adhered.
Anchor/Base Sheet:	Polyanchor HV , mechanically attached to the deck as described below:
Fastening :	Attach base sheet using 12 ga. x 1-1/4" long x 3/8 head diameter annular ring shank roofing nails with 32 ga., 1-5/8" diameter tin caps spaced 24" o.c. in a 4" lap into the intermediate supports and eight rows in the field fastened 24" o.c. into the intermediate supports.
Membrane:	Polystick TU Max** , back-nailed using 12 ga. x 1-1/4" long x 3/8 head diameter annular ring shank roofing nails with 32 ga., 1-5/8" diameter tin caps max 12" o.c.
Surfacing:	See General Limitation 2.
Underlayment Uplift Design Pressure:	-75.0 psf*

* Underlayment Uplift Design Pressure rating above is included for additional analysis of the underlayment assembly only by the Authority Having Jurisdiction. This value does not include the roof system. Refer to roof system NOA for maximum design pressure of the final roof assembly.

**Winter Haven, FL. manufacturing location only.

Deck Type 1: Wood, non-insulated
Deck Description: 19/32" plywood or wood plank
System Type F(1): Membrane adhered direct to deck.
Membrane: **Polystick IR-Xe, Polystick MTS Plus, Polystick TU Max, Polystick TU Plus or Polystick XFR**, self-adhered in accordance with FBC HVHZ 1518.2.1(1) and back-nailed using 12 ga. x 1-¹/₂" long x 3/8 head diameter annular ring shank roofing nails with 32 ga., 1-⁵/₈" diameter tin caps max 12" o.c.
Surfacing: See General Limitation 2.
Tile Roofing is not an approved roof covering for use with this assembly.

Deck Type 1: Wood, non-insulated
Deck Description: 15/32" PS 1-09 rated, 32/16 span rating, CDX, 4-ply plywood or wood plank secured with 0.113" x 2-3/8" ring shank nails spaced 6" o.c. along the perimeter and intermediate supports maximum spaced 24" o.c.
System Type F(2): Membrane adhered direct to deck.
Membrane: **Polystick TU Plus**, HydraGuard Dual Pro** or HydraGuard Tile Pro****, back-nailed using 12 ga. x 1-¹/₄" long x 3/8 head diameter annular ring shank roofing nails with 32 ga., 1-⁵/₈" diameter tin caps max 12" o.c.
Surfacing: See General Limitation 2.
Underlayment Uplift Design Pressure: -82.5 psf*

*** Underlayment Uplift Design Pressure rating above is included for additional analysis of the underlayment assembly only by the Authority Having Jurisdiction. This value does not include the roof system. Refer to roof system NOA for maximum design pressure of the final roof assembly.**

****Winter Haven, FL. manufacturing location only.**



Deck Type 1:	Wood, non-insulated
Deck Description:	15/32" PS 1-09 rated, 32/16 span rating, Exposure 1, CDX, 4-ply plywood or wood plank secured with 0.113" x 2-3/8" ring shank nails spaced 6" o.c. along the perimeter and intermediate supports maximum spaced 24" o.c.
System Type F(3):	Base ply adhered direct to deck. Membrane subsequently adhered.
Base Ply:	Polystick MTS Plus** , back-nailed using 12 ga. x 1-1/4" long x 3/8 head diameter annular ring shank roofing nails with 32 ga., 1-5/8" diameter tin caps max 12" o.c.
Membrane:	Polystick TU Max** , back-nailed using 12 ga. x 1-1/4" long x 3/8 head diameter annular ring shank roofing nails with 32 ga., 1-5/8" diameter tin caps max 12" o.c.
Surfacing:	See General Limitation 2.
Underlayment Uplift Design Pressure:	-97.5 psf*

* Underlayment Uplift Design Pressure rating above is included for additional analysis of the underlayment assembly only by the Authority Having Jurisdiction. This value does not include the roof system. Refer to roof system NOA for maximum design pressure of the final roof assembly.

**Winter Haven, FL. manufacturing location only.

Deck Type 1:	Wood, non-insulated
Deck Description:	15/32" PS 1-09 rated, 32/16 span rating, CDX, 4-ply plywood or wood plank secured with 0.113" x 2-3/8" ring shank nails spaced 6" o.c. along the perimeter and intermediate supports maximum spaced 24" o.c.
System Type F(4):	Base ply adhered direct to deck. Membrane subsequently adhered.
Base Ply:	Polystick MTS Plus** , self-adhered with minimum 4" lap width and back-nailed using 12 ga. x 1-1/4" long x 3/8 head diameter annular ring shank roofing nails with 32 ga., 1-5/8" diameter tin caps max 12" o.c.
Membrane:	Polystick TU Plus** , HydraGuard Dual Pro** or HydraGuard Tile Pro** , back-nailed using 12 ga. x 1-1/4" long x 3/8 head diameter annular ring shank roofing nails with 32 ga., 1-5/8" diameter tin caps max 12" o.c.
Surfacing:	See General Limitation 2.
Underlayment Uplift Design Pressure:	-97.5 psf*

* Underlayment Uplift Design Pressure rating above is included for additional analysis of the underlayment assembly only by the Authority Having Jurisdiction. This value does not include the roof system. Refer to roof system NOA for maximum design pressure of the final roof assembly.

**Winter Haven, FL. manufacturing location only.



Deck Type 1:	Wood, non-insulated
Deck Description:	15/32" PS 1-09 rated, 32/16 span rating, CDX, 4-ply plywood or wood plank secured with 0.113" x 2-3/8" ring shank nails spaced 6" o.c. along the perimeter and intermediate supports maximum spaced 24" o.c.
System Type F(5):	Membrane adhered direct to deck.
Membrane:	Polystick TU Max** , back-nailed using 12 ga. x 1-1/4" long x 3/8 head diameter annular ring shank roofing nails with 32 ga., 1-5/8" diameter tin caps max 12" o.c.
Surfacing:	See General Limitation 2.
Underlayment Uplift Design Pressure:	-105 psf*

*** Underlayment Uplift Design Pressure rating above is included for additional analysis of the underlayment assembly only by the Authority Having Jurisdiction. This value does not include the roof system. Refer to roof system NOA for maximum design pressure of the final roof assembly.**

****Winter Haven, FL. manufacturing location only.**

INSTALLATION REQUIREMENTS:

1. All nails in the deck shall be carefully checked for protruding heads. Re-fasten any loose deck panels, and sweep the deck thoroughly to remove any dust and debris prior to application.
2. Place the underlayment over metal drip edge in accordance with RAS 111.
3. Place the first course of membrane parallel to the eave, rolling the membrane to obtain maximum contact. Remove the release film as the membrane is applied. All side laps shall be a minimum of 3" and end laps shall be a minimum of 6". Roll the membrane into place after removing the release strip. Vertical strapping of the roof with Polystick is acceptable. Membrane shall be back nailed in accordance with applicable building code.
4. When applying the membrane in the valley, start at the low point and work to the high point, rolling the membrane from the center outward in both directions.
5. For ridge applications, center the membrane and roll from the center outward in both directions.
6. Roll or broom the entire membrane surface so as to have full contact with the surface, giving special attention to lap areas.
7. Flash vent pipes, stacks, chimneys and penetrations in compliance with Roof Assembly current Product Control Notice of Acceptance.
8. All protrusions or drains shall be initially taped with a 6" piece of underlayment. The flashing tape shall be pressed in place and formed around the protrusion to ensure a tight fit. A second layer of Polystick shall be applied over the underlayment.



GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance.
2. **Polystick TU Plus, HydraGuard Dual Pro, and HydraGuard Tile Pro** may be used in asphaltic shingles, wood shakes and shingles, non-structural metal roofing, adhered roof tile using adhesives listed in the table below, and mechanically fastened roof tile systems and quarry slate roof assemblies.
Polystick XFR, Polystick MTS, and Polystick MTS Plus may be used in asphaltic shingles, wood shakes and shingles, non-structural metal roofing, mechanically fastened roof tile systems and quarry slate roof assemblies.
Polystick TU P may be used in asphaltic shingles, wood shakes and shingles, adhered roof tile using adhesives listed in the table below, and mechanically fastened roof tile systems and quarry slate roof assemblies.
Polystick IR-Xe may be used in asphaltic shingles, wood shakes and shingles, and quarry slate roof assemblies.
Polystick TU Max may be used in non-structural metal roofing, adhered roof tile using adhesives listed in the table below, and mechanically fastened roof tile systems.
Elastoflex S6 G, and Polyflex SA P may be used in adhered roof tile using adhesives listed in the table below and mechanically fastened roof tile systems.
ELASTOFLEX SA V may be used in asphaltic shingles, wood shakes and shingles, non-structural metal roofing, mechanically fastened roof tile systems and quarry slate roof assemblies.

Roof Tile Adhesives Approved for Use with Tile Underlayment					
	ICP Adhesive Polyset RTA-1	ICP Adhesive Polyset AH-160	DAP Storm Bond® Roof Tile Adhesive	DAP Storm Bond® 2 Roof Tile Adhesive	DuPont TILE BOND™ Roof Tile Adhesive
Polystick TU Plus	yes	yes	yes	yes	yes
HydraGuard Dual Pro	yes	yes	yes	yes	yes
HydraGuard Tile Pro	yes	yes	yes	yes	yes
Polystick TU P	yes	yes	yes	yes	yes
Polystick TU Max	yes	yes	yes	yes	yes
Elastoflex S6 G	yes	yes	yes	yes	yes
Polyflex SA P	yes	yes	yes	yes	yes

3. Deck requirements shall be in compliance with applicable building code.
4. **Polystick IR-Xe, Polystick MU-X, Polystick TU Max, Polystick TU P, Polystick TU Plus, HydraGuard Dual Pro, HydraGuard Tile Pro, Polystick MTS, Polystick XFR, Polystick MTS Plus, Elastoflex S6 G, Polyflex SA P or ELASTOFLEX SA V** shall be applied to a smooth, clean and dry surface. The deck shall be free of irregularities.
5. **Polystick IR-Xe, Polystick MU-X, Polystick TU Max, Polystick TU P, Polystick TU Plus, HydraGuard Dual Pro, HydraGuard Tile Pro, Polystick MTS, Polystick XFR, Polystick MTS Plus, Elastoflex S6 G, Polyflex SA P or ELASTOFLEX SA V** shall not be adhered directly over a pre-existing roof membrane as a recover system.

6. **Polystick IR-Xe, Polystick MU-X, Polystick TU Max, Polystick TU P, Polystick TU Plus, HydraGuard Dual Pro, HydraGuard Tile Pro, Polystick MTS, Polyanchor SU, Polystick XFR, Polystick MTS Plus, Elastoflex S6 G, Polyflex SA P or ELASTOFLEX SA V** shall not be left exposed as a temporary roof for longer than the amount of days listed in the table below after application. Polyglass reserves the right to revise or alter product exposure times; not to exceed the preceeding maximum time limitations.

Exposure Limitations (Days)						
	Winter Haven, FL	Hazleton, PA	Waco, TX	Fernley, NV	Ponte di Piave TV, Italy	Silvassa, India
Polystick MTS	180	180	180	180	n/a	n/a
Polystick IR-Xe	90	90	90	n/a	n/a	n/a
Elastoflex S6 G	180	180	n/a	n/a	n/a	n/a
Polystick TU Plus	180*	180*	180*	n/a	180	n/a
Polystick TU P	180	180	180	n/a	n/a	n/a
Polystick TU Max	180	180	180	n/a	180	n/a
Polystick MTS Plus	180	180	180	180	n/a	n/a
Polystick MU-X	180	180	n/a	180	n/a	n/a
HydraGuard Dual Pro	180	180	180	n/a	180	n/a
HydraGuard Tile Pro	180	180	180	n/a	180	n/a
Polyflex SA P	180	n/a	180	n/a	n/a	n/a
Polyanchor SU	n/a	n/a	n/a	n/a	n/a	90
ELASTOFLEX SA V	n/a	n/a	30	30	n/a	n/a
Polystick XFR	n/a	n/a	180	180	n/a	n/a
* If an Executive Order is in place, then the following underlayment: Polystick TU Plus may be left exposed an additional 180 days for a total of 360 days from the day of installation.						

7. 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.

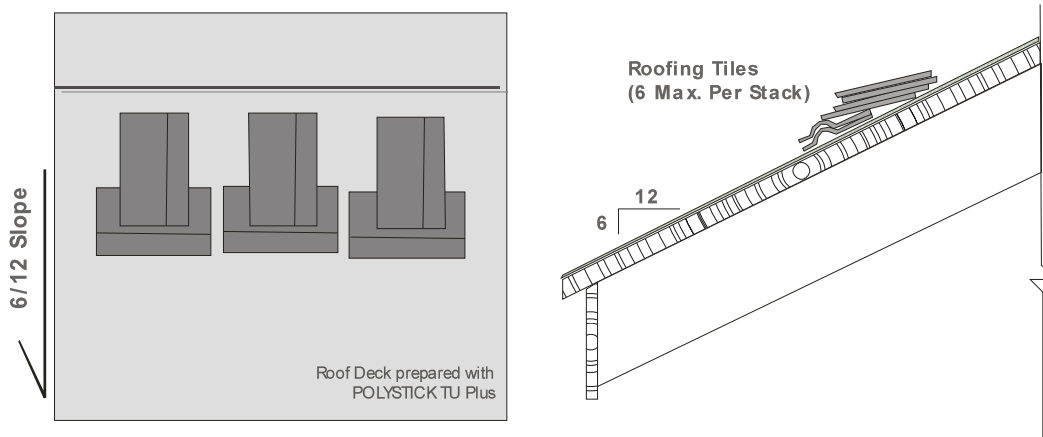
8. When loading roof tiles on roof tile underlayment for (direct-to-deck) tile assemblies, the maximum roof slope shall be as follows: (See Table Below)

Tile Slippage Limitations for Direct-to-Deck Tile Assemblies			
Underlayment	Tile Profile	Staging Method	Maximum Slope
Elastoflex S6 G	Flat / Profiled	Max. 6-tile stack (4 over 2)	4:12
Polystick TU P	Flat / Profiled	Max. 6-tile stack (4 over 2)	6:12
Polystick TU Plus, HydraGuard Dual Pro, HydraGuard Tile Pro	Flat / Profiled	Max. 6-tile stack (4 over 2)	7:12
Polystick TU Plus, HydraGuard Dual Pro, HydraGuard Tile Pro	Flat / Profiled	Max. 10-tile stack	6:12
Polystick TU Max	Flat	Max. 6-tile stack (4 over 2)	6:12
	Profiled*	Max. 6-tile stack (4 over 2)	7:12
	Profiled*	Max. 10-tile stack	6:12
	Flat*	Max. 10-tile stack	7:12
	*Only for Ponte di Piave TV, Italy		
Polystick MTS, MTS Plus	Flat Tile	Max. 6-tile stack (4 over 2)	5:12
	Profiled Tile	Max. 6-tile stack (4 over 2)	4:12
	Profiled Tile	Max. 6-tile stack (4 over 2)	5:12
Polystick XFR	Flat / Profiled	Max. 10-tile stack	6:12

Polystick Two-Ply Underlayment Systems			
Polystick MTS Plus with Polystick TU Plus, HydraGuard Dual Pro or HydraGuard Tile Pro	Flat Tile	Max. 6-tile stack (4 over 2)	7:12
	Profiled Tile	Max. 6-tile stack (4 over 2)	6:12
Polystick MTS Plus with Polystick TU Max	Flat Tile	Max. 6-tile stack (4 over 2)	7:12
	Profiled Tile	Max. 6-tile stack (4 over 2)	6:12
Polystick MTS Plus with Polystick TU P	Flat Tile	Max. 6-tile stack (4 over 2)	6:12
	Profiled Tile	Max. 6-tile stack (4 over 2)	5:12

The above slope limitations can be exceeded only by using battens in accordance with the Approved Tile System Notice of Acceptance and applicable Florida Building Code requirements. When battens are required, they shall be utilized during loading and installation of tiles.

9. Care should be taken during the loading procedure to keep foot traffic to a minimum and to avoid dropping of tile directly on the underlayment. Refer to Polyglass' Tile loading detail below for loading procedure – two tiles laid perpendicular to slope followed by a maximum four tile stack parallel to the slope, for a total of 6 tiles.



10. Refer to prepared roofing system Product Control Notice of Acceptance for listed approval of this product with specific prepared roofing products. **Polystick IR-Xe, Polystick MU-X, Polystick TU Max, Polystick TU P, Polystick TU Plus, HydraGuard Dual Pro, HydraGuard Tile Pro, Polystick MTS, Polystick XFR, Polystick MTS Plus, Elastoflex S6 G, Polyflex SA P or ELASTOFLEX SA V** may be used with any approved roof covering Notice of Acceptance listing **Polystick IR-Xe, Polystick MU-X, Polystick TU Max, Polystick TU P, Polystick TU Plus, HydraGuard Dual Pro, HydraGuard Tile Pro, Polystick MTS, Polystick XFR, Polystick MTS Plus, Elastoflex S6 G, Polyflex SA P or ELASTOFLEX SA V** as a component part of an assembly in the Notice of Acceptance.

If **Polystick IR-Xe, Polystick MU-X, Polystick TU Max, Polystick TU P, Polystick TU Plus, HydraGuard Dual Pro, HydraGuard Tile Pro, Polystick MTS, Polystick XFR, Polystick MTS Plus, Elastoflex S6 G, Polyflex SA P or ELASTOFLEX SA V** are not listed, a request may be made to the Authority Having Jurisdiction (AHJ) or the Miami-Dade County Product Control Section for approval provided that appropriate documentation is provided to detail compatibility of the products, wind uplift resistance, and fire testing results.

POLYGLASS GENERAL APPLICATION GUIDELINES FOR POLYSTICK MEMBRANES

PLEASE CHECK WITH LOCAL BUILDING CODES REGARDING LIMITATIONS OF SPECIFIC APPLICATIONS.

LOCAL CODES MAY SUPERSEDE POLYGLASS REQUIREMENTS AND RECOMMENDATIONS.

1. Polyglass does accept the direct application of Polystick underlayment membranes to wood decks. Installers are cautioned to refer to applicable local building codes prior to direct deck installation to ensure this is acceptable. Please also refer to applicable Product Data Sheets of the corresponding products.
2. All rolls, with the exception of Polystick TU Plus, HydraGuard Dual Pro or HydraGuard Tile Pro should be back-nailed in selvage edge seam as per Polyglass Back Nailing Guide. Nails shall be, 11 gauge ring shank type, applied with a minimum 1 5/8" metal disk as required in Miami-Dade County or simplex type nail as otherwise allowable in other regions, at a minimum rate of 12" o.c. Polystick TU Plus, HydraGuard Dual Pro or HydraGuard Tile Pro should be back nailed in designated area marked "nail area, area para clavar" on the face of membrane, with the above stated nails and/or disks. The head lap membrane is to cover the area being back-nailed. (Please refer to applicable local building codes prior to installation.)
3. All seal lap seams (selvage laps) must be rolled with a hand roller to ensure full contact.
4. All fabric over fabric; and granule over granule end laps, shall have a 6" wide, uniform layer of Polyglass POLYPLUS 50, XtraFlex 50 Premium Modified Wet/Dry Cement or Polyglass PG 500 applied in between the application of the lap. The use of mastic between the laps does not apply to Polystick MTS.
5. A maximum of 6 tiles per stack are allowed when loading tile on the underlayments. Refer to the Polyglass Tile Loading Guidelines. See General Limitations #8 and #9.
6. Battens and/or Counter-battens, as required by the tile manufacturers NOA, must be used on all projects for pitch/slopes of 7"/12" or greater. It is suggested that on pitch/slopes in excess of 6 1/4"/12", precautions should be taken, such as the use of battens to prevent tile sliding during the loading process.
7. Minimum cure time after membrane installation & before loading of roofing tiles is Forty-Eight (48) Hours.
8. Polystick membranes may not be used in any exposed application such as crickets, exposed valleys, or exposed roof to wall details.
9. Repair of Polystick membranes is to be accomplished by applying Polyglass POLYPLUS 50, XtraFlex 50 Premium Modified Wet/Dry Cement or Polyglass PG 500 to the area in need of repair, followed by a patch of the Polystick material of like kind should be set and hand rolled in place over the area needing such repair. Patching membrane shall be a minimum of 6 inches in either direction. The repair should be installed in such a way so that water will run parallel to or over the top of all laps of the patch.
10. All self-adhered membranes must be rolled to ensure full contact with approved substrates. Polyglass requires a minimum of 35 lbs for a weighted roller for the rolling of the field membrane. Hand rollers are acceptable for rolling of patches or small areas of the roof. Brooming may be used where slope prohibits rolling.
11. All approved substrates should be dry, clean and properly prepared, before any application of Polystick membranes commences. An approved substrate technical bulletin can be furnished upon request. It is recommended to refer to applicable building codes prior to installation to verify acceptable substrates.
12. The Polyglass Miami-Dade Notice of Acceptance (NOA) approval for Polystick membranes can be furnished upon request by our Technical Services Department by calling 1 (800) 894-4563.
13. Questions in regards to the application of Polyglass products should be directed to our Technical Services Department at 1 (800) 894-4563.
14. Polyglass recommends that applicators follow good roofing practices and applicable procedures as outlined by the National Roofing Contractors Association (NRCA).

PLEASE CHECK WITH LOCAL BUILDING CODES REGARDING LIMITATIONS OF SPECIFIC APPLICATIONS.

LOCAL CODES MAY SUPERSEDE POLYGLASS REQUIREMENTS AND RECOMMENDATIONS

END OF THIS ACCEPTANCE



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

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786)315-2590 F (786) 31525-99

www.miamidade.gov/economy

CertainTeed LLC
20 Moores Road
Malvern, PA 19355

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: SmartFlash ONE Flashing System

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 NOA# 22-0527.03 and consists of pages 1 through 3.
The submitted documentation was reviewed by Alex Tigera.

A handwritten signature in blue ink, appearing to read 'Alex Tigera'.



NOA No.: 23-0718.02
Expiration Date: 09/13/28
Approval Date: 09/07/23
Page 1 of 3

ROOFING COMPONENT APPROVAL

Category: Roofing
Sub-Category: Cement-Adhesive-Coatings
Material: Polyurethane/Bitumen

SCOPE:

This approves **SmartFlash ONE Flashing System**, as described in this Notice of Acceptance. This product has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone of the Florida Building Code.

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
NEMO ETC, LLC	ASTM C 836 ASTM G 154 ASTM E 96 ASTM D 1149	4p-SOP-22-SLAP-05	03/15/23

MANUFACTURING LOCATION:

1. Drummondville, Quebec, Canada

PHYSICAL PROPERTIES OF COMPONENTS

Trade name: SmartFlash ONE Flashing System

Thickness: Base Coat: Minimum 30 wet mils (22 dry mils)
Finish Coat: Minimum 30 wet mils (22 dry mils)

Specifications: ASTM C836

Component Description: SmartFlash ONE: A polyurethane/bitumen resin, single-component, moisture-cure compound utilizing low solvent technologies.
CertainTeed SmartFlash ONE Polyester Reinforcement Fabric: A flexible, non-woven polyester reinforcement that is embedded into the first layer of SmartFlash ONE Base Coat and then covered with an additional Base Coat application.

Container Size: SmartFlash ONE: 1 or 5 gallons
CertainTeed SmartFlash ONE Polyester Reinforcement Fabric: 39" x 50 ft, 8" x 50 ft or 4" x 50 ft.

System Approvals: SmartFlash ONE Flashing System is a component for use in new or existing modified bitumen or built-up roofing (BUR) systems. The SmartFlash ONE Flashing System is applied to properly prepared perimeter edge metal, curbs, roof penetrations, columns, parapet walls and area dividers (restrained/supported wall constructions only). The SmartFlash ONE Flashing System can also be used as a reinforcing ply over existing field membrane seams and joints or a surfacing layer over field membrane where ponding water occurs.



LIMITATIONS:

1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire rating of this product.
2. CertainTeed LLC products shall not be applied in inclement weather conditions.
3. The products listed herein are components of roof assemblies and are approved for use with roof assemblies that list any of the products listed herein as part of their roof assemblies Notice of Acceptance. For applications over existing roof systems. Refer to applicable building code for requirements.
4. All products listed herein shall have an unannounced follow-up quality control program from an approved listing agency. Follow up test results shall be made available to Miami-Dade County Product Control upon request.
5. 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.



6. Change in materials, use, or manufacture of any of the products listed herein shall be cause for termination of this Notice of Acceptance.
7. CertainTeed LLC products shall be applied in accordance with manufacturer's published application instructions.
8. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 16G20-3 of the Florida Administrative Code.

END OF THIS ACCEPTANCE





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

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786)315-2590 F (786) 31525-99
www.miamidade.gov/economy

CertainTeed LLC.
20 Moores Road
Malvern, PA 19355

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: CertainTeed Conventional Built-Up-Roof Systems Over Steel 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 renews NOA # 23-0215.06 and consists of pages 1 through 21.
The submitted documentation was reviewed by Alex Tigera.

A handwritten signature in blue ink, appearing to read "Alex Tigera".

06/13/24



NOA No.: 24-0322.01
Expiration Date: 06/19/29
Approval Date: 06/13/24
Page 1 of 21

ROOFING SYSTEM APPROVAL

Category: Roofing
Sub-Category: Built-Up Roofing
Material: Fiberglass
Deck Type: Steel
Maximum Design Pressure -172.5 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>
Black Diamond Base Sheet	39 3/8" x 68'7"	ASTM D1970	Self-adhering, fiberglass reinforced, SBS modified bitumen base/ply sheet.
Flintlastic Ultra Glass SA	39 3/8" x 33'11"	ASTM D1970	Self-adhering, fiberglass reinforced, SBS modified bitumen base/ply sheet.
Flintglas Ply 4	39 3/8" x 164'7"	ASTM D2178 Type IV UL Type G1	Fiberglass reinforced, asphalt impregnated ply sheet.
Flintglas Premium Ply 6	39 3/8" x 164'7"	ASTM D2178 Type VI UL Type G1	Fiberglass reinforced, asphalt impregnated ply sheet.
Flintglas MS Cap Sheet	39 3/8" x 32'10"	ASTM D3909 UL Type G3	Asphalt impregnated and coated inorganic glass fiber surfaced with mineral granules used as the top ply in conventional built-up roof membranes.
All Weather/ Empire Base Sheet	39 3/8" x 65'10"	ASTM D4601 Type II	SBS modified, fiberglass reinforced, base/ply sheet.
Flintlastic Poly SMS Base Sheet	39 3/8" x 64'3"	ASTM D4601 Type II	SBS modified, polyester reinforced base/ply sheet.
Glasbase Base Sheet	39 3/8" x 98'9"	ASTM D4601 Type II	Fiberglass reinforced, asphalt coated base/ply sheet.
Flintlastic Base 20	39 3/8" x 49'6"	ASTM D6163 Grade S Type I	SBS modified, fiberglass reinforced base/ply sheet.
Flintlastic Ultra Poly SMS Base Sheet	39 3/8" x 32'10"	ASTM D6164 Grade S Type I	SBS modified, polyester reinforced base/ply sheet.



APPROVED INSULATIONS:**TABLE 2**

Product Name	Product Description	Manufacturer (With Current NOA)
ACFoam-II	Polyisocyanurate foam insulation	Atlas Roofing Corporation
ISO 95+ GL	Polyisocyanurate foam insulation	Firestone Building Products Company, LLC
H-Shield	Polyisocyanurate foam insulation	Hunter Panels, LLC
DensDeck, DensDeck Prime	Water resistant gypsum board	Georgia Pacific Gypsum LLC
ENRGY 3, ENRGY 3 25 PSI	Polyisocyanurate foam insulation	Johns Manville Corp.
Fesco Board	Expanded perlite and fiber insulation	Johns Manville Corp.
Ultra-Max & Multi-Max FA-3	Polyisocyanurate foam insulation	RMax Operating, LLC.
FlintBoard ISO	Polyisocyanurate foam insulation	CertainTeed LLC
FlintBoard _H ISO	Polyisocyanurate foam insulation	CertainTeed LLC
Structodek High Density Fiberboard Insulation	High Density Wood Fiber insulation board.	Blue Ridge Fiberboard, Inc.
SECUROCK Gypsum-Fiber Roof Board	Gypsum insulation	USG Corp.



APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
1.	Dekfast DF-#12 PH3, Dekfast DF-#14-PH3, & Dekfast DF-#15-PH3	Insulation fastener		SFS Group USA
2.	Dekfast PLT-H-2-7/8	Galvalume AZ50 steel plate	2 7/8" x 3 1/4"	SFS Group USA
3.	#12 Standard Roofgrip & #14 Roofgrip Fasteners	Insulation fastener for wood and steel.		OMG, Inc.
4.	AccuTrac Hextra	Insulation fastener for wood and steel		OMG, Inc.
5.	3 in. Ribbed Galvalume Plate	Galvalume stress plate.	3" round	OMG, Inc.
6.	AccuTrac Plate	Galvalume stress plate.	3" square	OMG, Inc.
7.	3 in. Round Metal Plate	Galvalume AZ50 steel plate	3" round	OMG, Inc.
8.	OMG Plastic Plate	Polypropylene plastic plate	3" round	OMG, Inc.
9.	Trufast #12 DP & Trufast #14 HD Fastener	Insulation fastener for wood and steel decks		Altenloh, Brinck & Co. U.S., Inc.
10.	Trufast 3" Metal Insulation Plate	Galvalume AZ50 steel plate	3" round	Altenloh, Brinck & Co. U.S., Inc.
11.	FlintFast #12 & #14	Insulation fastener for wood and steel decks		CertainTeed LLC
12.	FlintFast 3" Insulation Plate	Galvalume AZ50 steel plate	3" round	CertainTeed LLC



EVIDENCE SUBMITTED:

<u>Test Agency/Identifier</u>	<u>Name</u>	<u>Report</u>	<u>Date</u>
Trinity ERD	TAS 117 (B)	3503.10.06	10/10/06
	TAS 117 (B)	O6490.04.07-R1	06/27/07
	TAS 117 (B)/ ASTM D6862	C8500SC.11.07	11/30/07
	TAS 114	C8370.08.08	08/19/08
	ASTM Physical Properties	C10080.09.08-R4	03/25/10
	TAS 114-H / TAS 117-B	C30560.06.10	06/10/10
	TAS 117	C35500.02.11	02/09/11
	TAS 114 / TAS 117	3513.08.02-R1	03/17/11
	FM 4470 / TAS 114	03515.07.03-1-R1	06/27/12
	ASTM D4601	C40050.09.12-1	09/28/12
	ASTM D1970	C40050.09.12-2	09/28/12
	ASTM D3909	C4420.03.13	03/22/13
	ASTM D2178	C47250.03.14	03/26/14
	ASTM D1876, / TAS 114, / FM 4474	C45620.03.14	03/27/14
	ASTM D1876	C35460.05.11-R1	05/20/15
	ASTM D3909	CTR-SC11145.09.16-2A	09/19/16
	ASTM D3909	CTR-SC11145.09.16-2B	09/19/16
	ASTM D4601	CTR-SC11145.09.16-3A	09/19/16
	ASTM D4897	CTR-SC11145.09.16-4	09/19/16
Factory Mutual Research Corp.	4470	3Y8A1.AM	09/30/96
	4454	0D3A3.AM	04/04/97
	4470	1D7A4.AM	11/09/98
	4470	2D0A0.AM	12/23/98
	4470	3021759	06/03/05
	4470	3039046	06/15/10
	4470	3040761	11/16/10
Underwriters Laboratories, Inc.	UL 790	R11656	01/11/13
PRI Construction Materials Technologies LLC	ASTM D6163	CTC-066-02-01	08/09/11
	ASTM D6164	CTC-068-02-01	08/09/11
	ASTM D2178	CTC-123-02-01	03/13/12
	ASTM D4601	CTC-124-02-01	03/13/12
	ASTM D4601	CTC-127-02-01	03/13/12
	ASTM D6164	CTC-190-02-01	12/02/13
	ASTM D1970	CTC-199-02-01	01/22/14

DECK STRESS ANALYSIS CALCULATIONS/REPORTS

<u>Engineer/Agency</u>	<u>Identifier</u>	<u>Assemblies</u>	<u>Date</u>
Factory Mutual Research Corp.	RoofNav Listings	C(3), C(4), C(5)	12/15/16
Robert Nieminen, P.E.	Signed/Sealed Calculations	B(2), C(2), D(2)	12/15/16



APPROVED ASSEMBLIES:

Deck Type 2I:	Steel, Insulated
Deck Description:	18-22 ga. steel
System Type B(1):	Base layer of insulation mechanically fastened, optional top layer adhered with approved asphalt.

All General and System Limitations apply.

One or more layers of any of the following insulations.

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Fesco Board Minimum ¾" thick	1 or 3	1:2 ft²
Structodek High Density Fiberboard Insulation Minimum ½" thick	1, 3, 9 or 11	1:2 ft²

Note: Base layer shall be mechanically attached with fasteners and density described above. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density (See Roofing Application Standard RAS 117 for fastening details).

<u>Top Insulation Layer (Optional)</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Any of the insulations listed for Base Layer, above.		
DensDeck, DensDeck Prime Minimum ¼" thick	N/A	N/A

Note: Optional top layer of insulation shall be adhered with approved asphalt within the EVT range and at a rate of 20-40 lbs./100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment. Composite insulation boards used as a top layer shall be installed with the polyisocyanurate face down.

Base Sheet: (Optional)	Install one ply of All Weather/Empire Base Sheet, Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet or Glasbase Base Sheet directly over the top layer of insulation. Adhere with any approved mopping asphalt at an application rate of 20-35 lbs./sq.
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- Ply Sheet:** One ply of All Weather/Empire Base Sheet, Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet or two or more plies of Flintglas Ply Sheet 4 or Flintglas Premium Ply 6 adhered in a full mopping of approved asphalt at an application rate of 20-35 lbs./sq.
- Cap Sheet:
(Optional)** One ply of Flintglas MS Cap Sheet adhered in a full mopping of approved asphalt at an application rate of 20-35 lbs./sq.
- Surfacing:** (Required if no cap sheet is used) Any coating, listed below, used as a surfacing must be listed within a current NOA. Install one of the following:
1. Gravel or slag applied at 400 lb./sq. and 300 lb./sq. respectively in a flood coat of approved asphalt at 60 lb./sq.
 2. A two part coating consisting of a base coat of APOC #300 Non-Fibered Emulsion at rate of 3 gal./sq.; surfaced with 1 gal./sq. APOC#212 Fibered Aluminum Roof Coating.
- Maximum Design Pressure:** -45 psf (See General Limitation #9)



Deck Type 2I: Steel, Insulated

Deck Description: 18-22 ga. Type B, Grade 33 steel deck is secured to steel supports spaced maximum 5 ft. o.c. with 5/8" puddle welds with weld washers or with Teks 4 fasteners spaced 6" o.c. Side laps are secured with Teks 1 fasteners spaced maximum 20" o.c.

This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table

System Type B(2): Base layer of insulation mechanically fastened, top layer adhered with approved asphalt.

All General and System Limitations apply.

One or more layers of any of the following insulations.

<u>Base Insulation Layer</u>	<u>Insulation Fasteners</u> (Table 3)	<u>Fastener Density/ft²</u>
ACFoam-II, ENRGY 3, Multi-Max FA-3, H-Shield, FlintBoard ISO, FlintBoard _H ISO Minimum 1.5" thick	1, 3, 9 or 11	1:1.33

Note: Base layer shall be mechanically attached with fasteners and density described. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density (See Roofing Application Standard RAS 117 for fastening details).

<u>Top Insulation Layer</u>	<u>Insulation Fasteners</u> (Table 3)	<u>Fastener Density/ft²</u>
Fesco Board Minimum ¾" thick	N/A	N/A
Structodek High Density Fiberboard Insulation Minimum ½" thick	N/A	N/A

Note: Top layer of insulation shall be adhered with approved asphalt within the EVT range and at a rate of 20-40 lbs./100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment. Composite insulation boards used as a top layer shall be installed with the polyisocyanurate face down.

Base Sheet: Install one ply of All Weather/Empire Base Sheet, Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet or Glasbase Base Sheet directly over the top layer of insulation. Adhere with any approved mopping asphalt at an application rate of 20-35 lbs./sq.

Ply Sheet: One ply of All Weather/Empire Base Sheet, Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet or two or more plies of Flintglas Ply Sheet 4 or Flintglas Premium Ply 6 adhered in a full mopping of approved asphalt at an application rate of 20-35 lbs./sq.

Cap Sheet: One ply of Flintglas MS Cap Sheet adhered in a full mopping of approved asphalt at an application rate of 20-35 lbs./sq.



- Surfacing:** (Required if no cap sheet is used) Any coating, listed below, used as a surfacing must be listed within a current NOA. Install one of the following:
1. Gravel or slag applied at 400 lb./sq. and 300 lb./sq. respectively in a flood coat of approved asphalt at 60 lb./sq.
 2. A two part coating consisting of a base coat of APOC #300 Non-Fibered Emulsion at rate of 3 gal./sq.; surfaced with 1 gal./sq. APOC#212 Fibered Aluminum Roof Coating.
- Maximum Design Pressure:**
- 52.5 psf (For Fesco Board) (See General Limitation #7)
 - 67.5 psf (Structodek High Density Fiberboard Insulation) (See General Limitation #7)

Deck Type 2I: Steel, Insulated
Deck Description: 18-22 ga. steel
System Type C(1): All layers of insulation simultaneously fastened.

All General and System Limitations apply.

One or more layers of any of the following insulations.

<u>Base Insulation Layer (Optional)</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
ACFoam-II, ENRGY 3, Ultra-Max, H-Shield, FlintBoard ISO, FlintBoard_H ISO Minimum 1" thick	N/A	N/A
Fesco Board Minimum ¾" thick	N/A	N/A
Structodek High Density Fiberboard Insulation Minimum ½" thick	N/A	N/A

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density.

<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
ACFoam II, FlintBoard ISO Minimum 1.3" thick	1, 3	1:3 ft²
ENRGY 3, H-Shield, FlintBoard_H ISO Minimum 1.4" thick	1, 3, 9 or 11	1:3 ft²
Ultra-Max Minimum 1.5" thick	1, 3, 4, 9 or 11	1:2.9 ft²
Fesco Board Minimum ¾" thick	1, 3, 9 or 11	1:2 ft²
Structodek High Density Fiberboard Insulation Minimum ½" thick	1, 3, 9 or 11	1:2 ft²

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The 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.

**Base Sheet:
(Optional)** Install one ply of All Weather/Empire Base Sheet, Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet or Glasbase Base Sheet directly over the top layer of insulation. Adhere with any approved mopping asphalt at an application rate of 20-35 lbs./sq.



- Ply Sheet:** One ply of All Weather/Empire Base Sheet, Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet or two or more plies of Flintglas Ply Sheet 4 or Flintglas Premium Ply 6 adhered in a full mopping of approved asphalt at an application rate of 20-35 lbs./sq.
- Cap Sheet:
(Optional)** One ply of Flintglas MS Cap Sheet adhered in a full mopping of approved asphalt at an application rate of 20-35 lbs./sq.
- Surfacing:** (Required if no cap sheet is used) Any coating, listed below, used as a surfacing must be listed within a current NOA. Install one of the following:
1. Gravel or slag applied at 400 lb./sq. and 300 lb./sq. respectively in a flood coat of approved asphalt at 60 lb./sq.
 2. A two part coating consisting of a base coat of APOC #300 Non-Fibered Emulsion at rate of 3 gal./sq.; surfaced with 1 gal./sq. APOC#212 Fibered Aluminum Roof Coating.
- Maximum Design Pressure:** -45 (See General Limitation #9)

Deck Type 2I:	Steel, Insulated
Deck Description:	18-22 ga., Type B, Grade 33 steel, fastened 6" o.c. with 5/8" puddle welds and washers to steel supports spaced maximum 6 ft. o.c. Side laps are secured with Tek 1 fasteners spaced maximum 30" o.c. This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table
System Type C(2):	All layers of insulation simultaneously fastened.

All General and System Limitations apply.

One or more layers of any of the following insulations.

<u>Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
ACFoam-II, ENRGY 3, Multi-Max FA-3, H-Shield, FlintBoard ISO, FlintBoard _H ISO Minimum 1.5" thick	1, 3, 9 (#14) or 11 (#14)	1:1.33 ft ²

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The 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.

Base Sheet:	One ply of Black Diamond Base Sheet or Flintlastic Ultra Glass SA self-adhered.
Ply Sheet:	One ply of All Weather/Empire Base Sheet, Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet or two or more plies of Flintglas Ply Sheet 4 or Flintglas Premium Ply 6 adhered in a full mopping of approved asphalt at an application rate of 20-35 lbs./sq.
Cap Sheet: (Optional)	One ply of Flintglas MS Cap Sheet adhered in a full mopping of approved asphalt at an application rate of 20-35 lbs./sq.
Surfacing:	(Required if no cap sheet is used) Any coating, listed below, used as a surfacing must be listed within a current NOA. Install one of the following: <ol style="list-style-type: none"> 1. Gravel or slag applied at 400 lb./sq. and 300 lb./sq. respectively in a flood coat of approved asphalt at 60 lb./sq. 2. A two part coating consisting of a base coat of APOC #300 Non-Fibered Emulsion at rate of 3 gal./sq.; surfaced with 1 gal./sq. APOC#212 Fibered Aluminum Roof Coating.
Maximum Design Pressure:	-52.5 psf (See General Limitation #7)



Deck Type 2I: Steel, Insulated

Deck Description:

1. 22 ga., Type WR, Grade 33 steel deck fastened to structural supports having a maximum span of 62" o.c.
2. 20 ga., Type WR, Grade 33 steel deck fastened to structural supports having a maximum span of 69" o.c.
3. 18 ga., Type WR, Grade 33 steel deck fastened to structural supports having a maximum span of 72" o.c.
4. 18-22 ga., Type WR, Grade 80 steel deck fastened to structural supports having a maximum span of 72" o.c.

All of the above steel deck options are attached to structural supports with Traxx/5 screws and 3/4" diameter washers spaced maximum 6 in. o.c. Side laps are secured with Tek 1 fasteners spaced maximum 12" o.c.

This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.

System Type C(3): All layers of insulation simultaneously attached

All General and System Limitations apply.

One or more layers of any of the following insulations.

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
H-Shield, Flintboard ISO, ACFoam-II, or PSI-25 Minimum 1.5" thick	11 (#14) & 12	1:1.33
<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
DensDeck Prime Minimum 1/2" thick	9 (#14) or 11 (#14)	1:1.33 ft²

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The 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.

Base Sheet: One ply of All Weather/Empire Base Sheet, Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet or two or more plies of Flintglas Ply Sheet 4 or Flintglas Premium Ply 6 adhered in a full mopping of approved asphalt at an application rate of 20-25 lbs./sq.

**Ply Sheet:
(Optional)** One ply of All Weather/Empire Base Sheet, Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet or two or more plies of Flintglas Ply Sheet 4 or Flintglas Premium Ply 6 adhered in a full mopping of approved asphalt at an application rate of 20-25 lbs./sq.

**Cap Sheet:
(Optional)** One ply of Flintglas MS Cap Sheet adhered in a full mopping of approved asphalt at an application rate of 20-25 lbs./sq.



Surfacing:

(Required if no cap sheet is used) Install one of the following:

1. Gravel or slag applied at 400 lb./sq. and 300 lb./sq. respectively in a flood coat of approved asphalt at 60 lb./sq.
2. A two part coating consisting of a base coat of APOC #300 Non-Fibered Emulsion at rate of 3 gal./sq.; surfaced with 1 gal./sq. APOC#212 Fibered Aluminum Roof Coating.

**Maximum Design
Pressure:**

-112.5 psf (See General Limitation #7)



Deck Type 2I: Steel, Insulated

Deck Description:

1. 22 ga., Type WR, Grade 33 steel deck fastened to structural supports having a maximum span of 52" o.c.
2. 20 ga., Type WR, Grade 33 steel deck fastened to structural supports having a maximum span of 58" o.c.
3. 18 ga., Type WR, Grade 33 steel deck fastened to structural supports having a maximum span of 68" o.c.
4. 18-20 ga., Type WR, Grade 80 steel deck fastened to structural supports having a maximum span of 72" o.c.

All of the above steel deck options are attached to structural supports with Traxx/5 screws and 3/4" diameter washers spaced maximum 6 in. o.c. Side laps are secured with Tek 1 fasteners spaced maximum 12" o.c.

This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.

System Type C(4): All layers of insulation simultaneously attached

All General and System Limitations apply.

One or more layers of any of the following insulations.

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
H-Shield, Flintboard ISO, AC Foam-II, or PSI-25 Minimum 1.5" thick	11 (#14) & 12	1:1.33
<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
DensDeck Prime Minimum 1/2" thick	9 (#14) or 11 (#14)	1:1 ft ²
SECUROCK Gypsum-Fiber Roof Board Minimum 1/2" thick	9 (#14) or 11 (#14)	1:1.33 ft ²

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The 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.

Base Sheet: One ply of All Weather/Empire Base Sheet, Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet or two or more plies of Flintglas Ply Sheet 4 or Flintglas Premium Ply 6 adhered in a full mopping of approved asphalt at an application rate of 20-25 lbs./sq.

**Ply Sheet:
(Optional)** One ply of All Weather/Empire Base Sheet, Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet or two or more plies of Flintglas Ply Sheet 4 or Flintglas Premium Ply 6 adhered in a full mopping of approved asphalt at an application rate of 20-25 lbs./sq



**Cap Sheet:
(Optional)** One ply of Flintglas MS Cap Sheet adhered in a full mopping of approved asphalt at an application rate of 20-25 lbs./sq.

Surfacing: (Required if no cap sheet is used) Install one of the following:

1. Gravel or slag applied at 400 lb./sq. and 300 lb./sq. respectively in a flood coat of approved asphalt at 60 lb./sq.
2. A two part coating consisting of a base coat of APOC #300 Non-Fibered Emulsion at rate of 3 gal./sq.; surfaced with 1 gal./sq. APOC#212 Fibered Aluminum Roof Coating.

**Maximum Design
Pressure:** -157.5 psf (See General Limitation #7)



Deck Type 2I: Steel, Insulated

Deck Description:

1. 22 ga., Type WR, Grade 33 steel deck fastened to structural supports having a maximum span of 50" o.c.
2. 20 ga., Type WR, Grade 33 steel deck fastened to structural supports having a maximum span of 56" o.c.
3. 18 ga., Type WR, Grade 33 steel deck fastened to structural supports having a maximum span of 65" o.c.
4. 18-20 ga., Type WR, Grade 80 steel deck fastened to structural supports having a maximum span of 72" o.c.

All of the above steel deck options are attached to structural supports with Traxx/5 screws and 3/4" diameter washers spaced maximum 6 in. o.c. Side laps are secured with Tek's 1 fasteners spaced maximum 12" o.c.

This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.

System Type C(5): All layers of insulation simultaneously attached

All General and System Limitations apply.

One or more layers of any of the following insulations.

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
H-Shield, Flintboard ISO, ACFoam-II, or PSI-25 Minimum 1.5" thick	11 (#14) & 12	1:1.33
<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
DensDeck Prime Minimum 1/2" thick	9 (#14) or 11 (#14)	1:1 ft²
SECUROCK Gypsum-Fiber Roof Board Minimum 1/2" thick	9 (#14) or 11 (#14)	1:1.33 ft²

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The 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.

Base Sheet: One ply of All Weather/Empire Base Sheet, Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet or two or more plies of Flintglas Ply Sheet 4 or Flintglas Premium Ply 6 adhered in a full mopping of approved asphalt at an application rate of 20-25 lbs./sq

**Ply Sheet:
(Optional)** One ply of All Weather/Empire Base Sheet, Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet or two or more plies of Flintglas Ply Sheet 4 or Flintglas Premium Ply 6 adhered in a full mopping of approved asphalt at an application rate of 20-25 lbs./sq



**Cap Sheet:
(Optional)** One ply of Flintglas MS Cap Sheet adhered in a full mopping of approved asphalt at an application rate of 20-25 lbs./sq.

Surfacing: (Required if no cap sheet is used) Install one of the following:

1. Gravel or slag applied at 400 lb./sq. and 300 lb./sq. respectively in a flood coat of approved asphalt at 60 lb./sq.
2. A two part coating consisting of a base coat of APOC #300 Non-Fibered Emulsion at rate of 3 gal./sq.; surfaced with 1 gal./sq. APOC#212 Fibered Aluminum Roof Coating.

**Maximum Design
Pressure:** -172.5 psf (See General Limitation #7)



Deck Type 2I: Steel, Insulated

Deck Description: 18-22 ga. Type B, (*See Fastening Options Below*) steel deck fastened to structural supports spaced a maximum 5 ft. o.c. with Traxx/5 screws spaced maximum 6 in. o.c. Side laps are fastened with Traxx/1 screws spaced maximum 20 in. o.c.

This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.

System Type D(1): All layers of insulation and base sheet simultaneously attached

All General and System Limitations apply.

One or more layers of any of the following insulations.

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
ACFoam-II, ENRGY 3, Multi-Max FA-3, H-Shield, FlintBoard ISO, FlintBoard _H ISO Minimum 1.5" thick	N/A	N/A
<u>(Optional) Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Structodek High Density Fiberboard Insulation Minimum ½" thick	N/A	N/A
Fesco Board Minimum ¾" thick	N/A	N/A
DensDeck, DensDeck Prime Minimum ¼" thick	N/A	N/A

Note: All layers of insulation and base sheet shall be simultaneously attached. See base sheet 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.

Base Sheet: One ply of Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, or Flintlastic Ultra Poly SMS Base Sheet mechanically attached as detailed below.

Fastening #1: OMG #14 Roofgrip fasteners with OMG 3 in. Round Metal Plates, Dekfast 14 with Dekfast PLT-H-2-7/8 plates, Trufast #14 HD Fasteners with Trufast 3" Metal Insulation Plates, or FlintFast #14 fasteners with FlintFast 3" Insulation Plates at a 4" side lap 6" o.c. and two rows staggered in the center of the sheet, 6" o.c.

Minimum Grade 33 steel deck. (Maximum Design Pressure -67.5 psf; See General Limitation #7).

Fastening #2:	(<i>Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet only</i>) OMG #14 Roofgrip Fasteners and OMG 3" Round Metal Plates, Dekfast DF-#14 PH3 with Dekfast PLT-H-2-7/8 plates, OMG #14 Roofgrip with 3 in. Ribbed Galvalume Plates, or Trufast #14 HD Fasteners with Trufast 3" Metal Insulation Plates, or FlintFast #14 fasteners with FlintFast 3" Insulation Plates at a 4" side lap 12" o.c. and two rows staggered in the center of the sheet, 12" o.c. Minimum Grade 80 steel deck. (<i>Maximum Design Pressure -120 psf; See General Limitation #7.</i>)
Ply Sheet:	(Optional if Cap Sheet used) One ply of All Weather/Empire Base Sheet, Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet or two or more plies of Flintglas Ply Sheet 4 or Flintglas Premium Ply 6 adhered in a full mopping of approved asphalt at an application rate of 20-35 lbs./sq.
Cap Sheet: (Optional)	One ply of Flintglas MS Cap Sheet adhered in a full mopping of approved asphalt at an application rate of 20-35 lbs./sq.
Surfacing:	(Required if no cap sheet is used) Install one of the following: <ol style="list-style-type: none">1. Gravel or slag applied at 400 lb./sq. and 300 lb./sq. respectively in a flood coat of approved asphalt at 60 lb./sq.2. A two part coating consisting of a base coat of APOC #300 Non-Fibered Emulsion at rate of 3 gal./sq.; surfaced with 1 gal./sq. APOC#212 Fibered Aluminum Roof Coating.
Maximum Design Pressure:	See Fastening Options Above

STEEL DECK SYSTEM LIMITATIONS:

1. If mechanical attachment to the structural deck through the lightweight insulating concrete is proposed, a field withdrawal resistance testing shall be performed to determine equivalent or enhanced fastener patterns and density. All testing and fastening design shall be in compliance with Testing Application Standard TAS 105 and Roofing Application Standard RAS 117, calculations shall be signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant.
2. For steel deck application where specific deck construction is not referenced: The deck shall be a minimum 22 gage attached with 5/8" puddle welds with weld washers at every flute with maximum deck spans of 5 ft. o.c.

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 Professional Engineer, Registered 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. 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

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