

CCC1330240
 CGC 1575110
 BRK2018-3075
 Issued 1/19/18 33-5022-047-0010



VILLAGE OF PALMETTO BAY
 9705 E. HIBISCUS STREET
 PALMETTO BAY, FLORIDA 33157
 (305) 259-1234 Fax: (305) 259-1290

REQUEST FOR PUBLIC RECORDS

Requests are filed in accordance with the provisions of Chapters 119 and 257, Florida Statutes.

DATE: _____
 NAME: Leon Melnicoff
 COMPANY: Florida Department of Financial Services
 ADDRESS: 200 East Gainer Street, Tallahassee, FL
 PHONE: 850-413-1912 FAX: _____ 32399-4229
 EMAIL: Leon.Melnicoff@myfloridacfo.com

REQUEST (Attach additional page, if necessary): Copies of the following documents:

Certified copies of all building permits obtained by LAR Construction, Inc. between 10-1-17 to 2-1-2018

FOR USE BY VILLAGE STAFF ONLY

DATE FORWARDED: <u>2/23/18</u>	TRACKING NO.: <u>2018-057</u>
DATE REQUEST FILLED: <u>2/26/18</u>	ASSIGNED DEPT: <u>Building</u>
ESTIMATED TIME (IF APPLICABLE): _____	NUMBER OF COPIES: <u>20 ds</u>
ESTIMATED COST: _____	
HOW WAS REQUEST FILLED? _____	
IF NOT FILLED, REASON: _____	
BY: _____	

3100-FHO-6000-52 2/22/18 10:28 AM

Melissa Dodge

From: Wesley Maltby
Sent: Thursday, February 22, 2018 10:28 AM
To: Melissa Dodge; Leon.Melnicoff@myfloridacfo.com
Cc: Gladys Bilbraut
Subject: RE: 18-037-D5 LAR Construction, Inc.: request for certified copy of building permit

Good morning Mr. Melnicoff,

We will gladly provide the information you have requested.

Public records requests are initiated through our Village Clerks office, to which I have forwarded this mail.

More information in regards to request may be found at

<https://www.palmettobay-fl.gov/FormCenter/Public-Records-Request-6/Public-Records-Requests-45>

(Melissa please!)

Regards,
Wes

Wesley C. Maltby
Building Official
Department of Building and Capital Projects
Village of Palmetto Bay
9705 East Hibiscus Street
Palmetto Bay, FL 33157
Office :305-259-1250
Fax: 866-927-5576

From: Gladys Bilbraut
Sent: Thursday, February 22, 2018 10:20 AM
To: Wesley Maltby
Subject: FW: 18-037-D5 LAR Construction, Inc.: request for certified copy of building permit

FYI
Please advise

From: Melnicoff, Leon [<mailto:Leon.Melnicoff@myfloridacfo.com>]
Sent: Thursday, February 22, 2018 10:00 AM
To: Gladys Bilbraut
Subject: 18-037-D5 LAR Construction, Inc.: request for certified copy of building permit

Dear records custodian for the City of Palmetto Bay,

I work for the Florida Department of Financial Services, Division of Workers' Compensation. The agency is currently conducting an investigation into a contractor who may have been operating in your area. As

part of our investigation, we would like to request certified copies of all building permits obtained by LAR Construction Inc. between June 1, 2017 and February 1, 2018. Please let me know if there will be any problems with this request or if additional information is needed, or if there is someone else I should contact with this request. I greatly appreciate any assistance you can furnish in this matter.

Also, please let me know if there is a charge for this service. I will just need an invoice to process the payment. Thank you!

Sincerely,

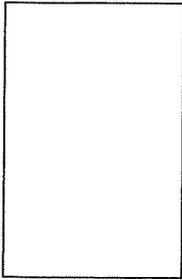
Leon Melnicoff
Senior Attorney
Florida Department of Financial Services
200 East Gaines Street
Tallahassee, FL 32399-4229
(850) 413 - 1912
Leon.Melnicoff@myfloridacfo.com



Village of Palmetto Bay Permit Application

Department of Building & Capital Projects
 9705 E. Hibiscus Street
 Palmetto Bay, Florida 33157
 Phone: (305) 259-1250 Fax: (866) 927-5575 Inspections: (305) 259-1253

WALKIN



GENERAL INFORMATION: Please read these instructions carefully before submitting the work for review

This application must be completed and signed by both the property owner and qualifier. Both of these signatures must be notarized. Please print legibly or type in order not to delay your application. For roofing permits, in addition to this permit you must also fill out a roofing permit application. Express permits require an additional fee and will only be accepted between the hours of 8:00 A.M. and 10:00 A.M., Monday through Friday. All other permits/plans must be dropped off before 4:30 p.m. for regular processing. During the processing of your application you may be asked to submit additional information. There may be additional permits and reviews required from other governmental agencies not affiliated with Palmetto Bay.

APPLICATION:

Clerk's Initials	Plan Process Number	Master Permit Number	Subsidiary Permit Number(s)	Expiration Date
<i>SS</i>	BRF-2018-3075			

Job Address: x 8255 SW 141ST ST PALMETTO BAY FL. 33158
 Address Unit number City State Zip Code

Folio Number: <u>335022 047 0010</u> Lot: <u>1</u> Block: <u>3</u> Subdivision: <u>GOLF View Heights PB: 90-96 PG:</u> Current Use of Property: <u>Residential</u> Proposed Use of Property: <u>Residential</u> Description of Work: <u>Re Roof (TILE)</u> Dumpster permit to be included? Yes <u>NO</u> Zoning: _____ Square Feet: _____ Tenant Information: _____ Unit Number: _____	Linear Feet: <u>3,600 SQ FT</u> Units: <u>1</u> Stories: _____ Value of Proposed Work: <u>25,500</u> Est. Bldg. Value: _____ Tax Assessed Value: _____ Flood Zone: _____ Base Floor Elev.: _____ Homeowner's Association: _____ <i>I affirm that there <input type="checkbox"/> are or <input type="checkbox"/> are no restrictive covenants associated with the underlying property that would affect the pending application. Failure to disclose this information shall result in the immediate revocation of any type of permit or certificate of use/occupancy.</i>
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Check Permit Type		Check Permit Change		Check Type of Improvement	
Building		Change of Contractor		New Construction	Deck/Concrete flatwork
Electrical		Permit Renewal		Exterior Alteration	Window Replacement
Mechanical		Plan Revision		Interior Alteration	Shutters
Plumbing		Permit Extension		Attached Addition	Garage Doors
LPGX		Supplement		Detached Addition	Storage Shed
Roofing	<input checked="" type="checkbox"/>	Re-inspection Fee		Repair	Railings
Fence		PACE Program		Repair due to Fire	Stairs
Sign				Demolish	Windows/Doors
Public Works				Screen Enclosure	Roofing
Other				Driveway	Re-Roof <input checked="" type="checkbox"/>
				Fence	Seal-cote
				Pool	Other

Architect Information	Engineer Information
Name:	Name:
License Number:	License Number:
Address:	Address:
Telephone Number:	Telephone Number:
Email address:	Email address:

Property Owner	Contractor
Name: <u>LEONARDO ARANGUIBEL</u>	Company Name: <u>LAR Construction</u>
Address: <u>8255 SW 141 ST</u>	Qualifier: <u>Luis Rodriguez</u>
Home Telephone:	License Number: <u>CCC 1330840</u>
Business Telephone:	Address: <u>5341 LINWOOD CT Bayton Beach</u>
Email Address:	Telephone Number:
Fax Number:	Fax Number:

Plans Processing Contact Person	
Name:	Email:
Telephone Number:	

Bond Company (if applicable)	Mortgage Lender
Name:	Name:
Address:	Address:
City: State: Zip	City: State: Zip
Does Property have Homestead Exemption	Email Address

Classification Of Proposed Work	
Residential <input type="checkbox"/> Duplex <input type="checkbox"/> Townhouse <input type="checkbox"/> Multi Family <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Other <input type="checkbox"/>	
Effective Code _____ Occupancy _____ Construction Type _____	
Zoning: _____ Variance Number: _____ Remarks: _____	

OWNER AFFIDAVIT

Application is hereby made to obtain a permit to do the work and installation as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work will be performed to meet the standards of all laws regulating construction in this jurisdiction. I understand that a separate permit must be secured for **ELECTRICAL, MECHANICAL, PLUMBING, SIGNS, WELLS, POOLS, ROOFING, SHUTTERS, WINDOWS, FURNACES, BOILERS, HEATERS, TANKS, FENCE, DRIVEWAYS and AIR CONDITIONERS, ETC.** In addition to the requirements of this permit, there may be additional restrictions found in the Public Records, and there may be additional permits required from other governmental entities.

I, the owner of the property, have disclosed all information related to any work that has been performed in the prior twelve months to the Building Division as part of this application. Further, I am fully aware that if the cumulative cost of work to my home or business under this and any other permit equals or exceeds fifty percent of the fair market value of the structure, the entire structure must meet the present federal flood criteria for finished floor elevation. I am also fully aware that if the cost of work to my home or business under this and any other permit equals or exceeds fifty per cent of the replacement cost of the structure, then the entire structure must conform to current code requirements of the Florida Building Code.

I, the owner of the property, understand that a permit application is subject to denial and a validated permit or permit card is subject to revocation or modification based upon applicable deeds, covenants, declarations, easements and any other legal restriction. By issuing a permit, the Village of Palmetto Bay makes no representation as to the existence or validity of any property restriction.

I, the owner of the property certify that all the foregoing information is accurate and that all work will be done in compliance with all applicable laws regulating construction and zoning.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

X [Signature]
Signature of Owner

[Signature]
Signature of Qualifier

State of Florida, County of 1

State of Florida, County of _____

Sworn to (or affirmed) and subscribed before this 16 day of Jan, 2018.

Sworn to (or affirmed) and subscribed before this 16 day of Jan, 2018.

by (print name) Leonardo Aranguibel
Notary Name YOHANNA ALFARO Notary Public - State of Florida
Personally known or I.D. My Comm. Expires Aug 25, 2018
Commission # FF 153988

by (print name) Luis Rodriguez
Notary Name YOHANNA ALFARO Notary Public - State of Florida
Personally known or I.D. My Comm. Expires Aug 25, 2018
Commission # FF 153988

Type of identification produced: _____

Type of identification produced: _____

IMPORTANT NOTICES

- Do not begin work without receiving you validated permit and permit card. Applying for a permit does not grant you the right to commence construction. Construction can only occur during the hours of 7:00 a.m. to 7:00 p.m., Monday thru Saturday and from the hours of 9:00 a.m. to 6:00 p.m. on Sundays and Federal holidays.
- All construction sites must be maintained in a clean and orderly condition free from construction debris. Failure to do so will result in a fine and a suspension of inspections until said property is cleaned.
- Streets and neighboring properties shall be kept free from dirt and debris.
- Swales must be protected from damage by equipment or vehicles and sidewalks cannot be blocked.
- Portable Toilets for construction jobs require a separate permit. If toilet is not available the inspection will not be performed.
- Water cannot be discharged into the right of way or storm drains without the approval of the Public Works Department.
- No equipment or materials can be stored on the right of way; they must only be stored on your property.
- Florida Department of Health approval is required for applications involving Septic Tanks. Department of Environmental Resources Management (DERM) and /or Miami-Dade Water and Sewer Department approval is required for applications involving sewers and water. The tree section of the Department of Environmental Resources Management (DERM) approval is required on all landscape plans and on all tree removal applications.

CHECKLIST (OFFICE USE ONLY)

- | | | |
|---|---|---|
| <input type="checkbox"/> OWNER-BUILDER FORM
(Attached) | <input type="checkbox"/> HEALTH DEPARTMENT APPROVAL
(Septic/Sewer) | <input type="checkbox"/> PERMIT CLERK REVIEW
By: _____ |
| <input type="checkbox"/> FIRE DEPARTMENT APPROVAL
(Commercial/multi (family only)) | <input type="checkbox"/> IMPACT FEE
(New Construction) | <input type="checkbox"/> Complete Application |
| <input type="checkbox"/> CONCURRENCY
(New Construction) | <input type="checkbox"/> SCHOOL REVIEW
(New Construction) | <input type="checkbox"/> Current liability ins. |
| <input type="checkbox"/> PROOF OF OWNERSHIP
(Attached) | <input type="checkbox"/> DERM REVIEW
(New Construction/Additions/Tree Removal) | <input type="checkbox"/> Worker's Comp. |
| <input type="checkbox"/> CONDO ASSOCIATION APPROVAL | <input type="checkbox"/> PUBLIC WORKS | <input type="checkbox"/> Cont. Lic. Check |
| <input type="checkbox"/> UPFRONT FEES AMOUNT: _____ | | <input type="checkbox"/> OTHER
(Specify and Attach) |
| | | <input type="checkbox"/> FLORIDA DEPARTMENT OF
BUSINESS AND
PROFESSIONAL REGULATION
APPROVAL (RESTAURANTS) |

PERMIT FEES (OFFICE USE ONLY)

Village of Palmetto Bay Permit Fees	584.16	Art in Public Places	
Miami-Dade County Fees (sq. ft. x \$65//1000x0.60)	1560	Certificate of Use and Occupancy	
Flood Zone Review		Zoning Inspection Fee (\$50.00 per application)	
Radon-Inspector State Educational Fund and DCA State fee	6.13 6.12	Administration Fee	
Code Enforcement Fine		Express Fee (25.00)	25.00
Certificate of Completion		Public Works Fee	
Construction Sign Fee		Landscape Review Fee (175.00 per hour)	
Roll-off Waste Container Fee (105.00 per container site)		Special Review Fee (89.25 per hour)	
Rework Fee		Other	

\$637.00

PLAN REVIEWER APPROVAL AREA (OFFICE USE ONLY)

SECTION	REVIEWER APPROVAL'S NAME	APPROVAL DATE	REJECTED DATE NUMBER 1	REJECTED DATE NUMBER 2	REJECTED DATE NUMBER 3
COMMUNITY DEVELOPMENT					
ZONING					
ELECTRICAL					
MECHANICAL					
PLUMBING					
FIRE					
ROOFING					
PUBLIC WORKS					
PLANNING					
STRUCTURAL					
BUILDING	<i>JAG</i>	<i>1/19/18</i>			
BUILDING OFFICIAL					

REWORKS: A fee of \$105.50 may be charged for failure to make required corrections previously indicated. The fee shall be charged after the initial review plus one follow up review per trade. Please note that Florida Statutes 553.80 section 2(b) states "with respect to evaluation of design professionals documents, if a local government finds it necessary, in order to enforce compliance with the Florida Building Code and issue a permit, to reject design documents required by the code three or more times for failure to correct a code violation specifically noted in each rejection, including but not limited to egress, fire protection, structural stability, energy, accessibility, lighting, ventilation, electrical, mechanical, plumbing, and gas systems, or other requirements identified by rule of the Florida Building Commission adopted pursuant to Chapter 120, the local government shall impose, each time after third such review the plans are rejected for that code violation a fee of **four times the amount** of the proportion of the permit fee attributed to plans review".

ISSUING OFFICIAL

FINAL PLAN REVIEWED AND PREPARED FOR ISSUANCE BY: *JAG* DATE: *1/19/18*

CONDITIONS OF APPROVAL

PLAN TRACKING

Plans Checked out	Date	Clerk	Plans Checked in	Date	Clerk



IMPORTANT MESSAGE

When buying real estate property, you should not assume that property taxes will remain the same. Whenever there is a change in ownership, the assessed value of the property may reset to full market value, which could result in higher property taxes. Please use our Tax Estimator to approximate your new property taxes.

The Property Appraiser does not send tax bills and does not set or collect taxes. Please visit the Tax Collector's website directly for additional information.



Address Owner Name Subdivision Name Folio

SEARCH: 8255 SW 141 ST Suite

PROPERTY INFORMATION

Folio: 33-5022-047-0010

Sub-Division:
GOLF VIEW HGTS 2ND ADDN

Property Address
8255 SW 141 ST
Palmetto Bay, FL 33158-1058

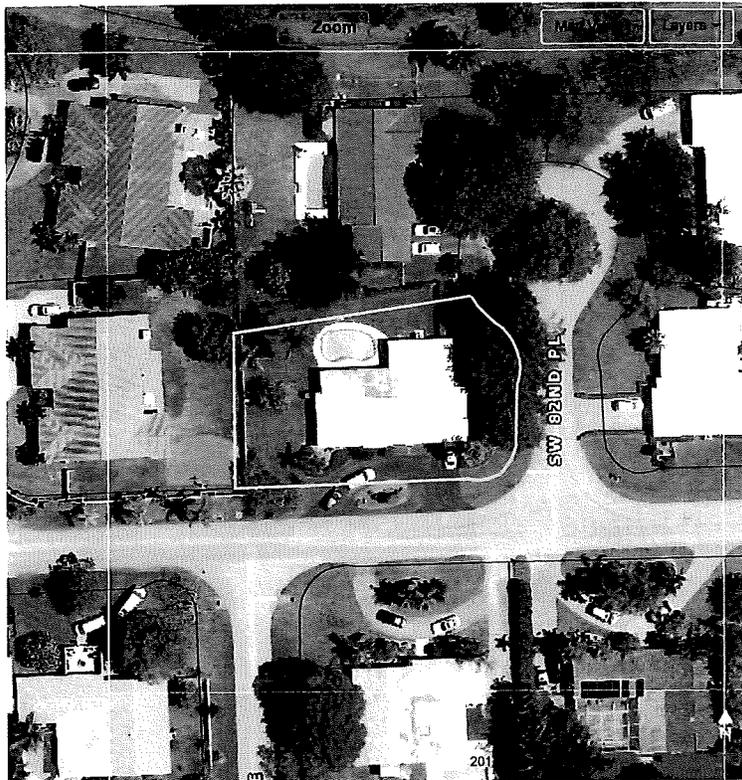
Owner
LEONARDO ENRIQUE ARANGUIBEL
MOIRA CECILIA ANGULO

Mailing Address
8255 SW 141 ST
PALMETTO BAY, FL 33158

PA Primary Zone
2100 ESTATES - 15000 SQFT LOT

Primary Land Use
0101 RESIDENTIAL - SINGLE FAMILY : 1 UNIT

Beds / Baths / Half 3 / 2 / 0
Floors 1
Living Units 1
Actual Area 3,188 Sq.Ft
Living Area 2,127 Sq.Ft
Adjusted Area 2,577 Sq.Ft
Lot Size 15,000 Sq.Ft
Year Built 1971



Featured Online Tools

Comparable Sales	Glossary	Non-Ad Valorem Assessments	PA Additional Online Tools	Property Record Cards	Property Search Help
Tax Comparison	Tax Estimator	TRIM Notice	Property Taxes	Report Discrepancies	Report Homestead Fraud
			Value Adjustment Board		

ASSESSMENT INFORMATION

Year	2017	2016	2015
Land Value	\$225,000	\$195,000	\$180,000
Building Value	\$177,169	\$178,586	\$189,822
Extra Feature Value	\$26,683	\$27,007	\$17,692
Market Value	\$428,852	\$400,593	\$387,514
Assessed Value	\$428,852	\$235,943	\$234,303

BENEFITS INFORMATION

Benefit	Type	2017	2016	2015
Save Our Homes Cap	Assessment Reduction	\$164,650	\$153,211	
Homestead	Exemption	\$25,000	\$25,000	
Second Homestead	Exemption	\$25,000	\$25,000	

Note: Not all benefits are applicable to all Taxable Values (i.e. County, School Board, City, Regional).

FULL LEGAL DESCRIPTION



EXPRESS PERMIT FEE

I understand that an additional fee of \$25.00 (per-review) will be applied to my permit at final fee.

Authorization: Johanna Alfaro Date: 1/19/18

EXPEDITED PLAN REVIEW

I understand that an additional fee of \$85.89 (per trade, per review) will be applied to a RUSH review for permits with plans.
(For Example: New Construction, Additions, and Remodeling & Revisions to plans).

Authorization: _____ Date: _____



"Delivering Excellence Every Day"

----- MIAMI-DADE COUNTY -----

REQUIRED OWNERS NOTIFICATION FOR ROOFING CONSIDERATIONS

It is the responsibility of the roofing contractor to provide the owner with the required roofing permit, and to explain to the owner the content of this form. The owner's initials in the designated space indicates that the item has been explained.

1. Aesthetics-workmanship: The workmanship provisions of Chapter 15 (High Velocity Hurricane Zone) are for the purpose of providing that the roofing system meets the wind resistance and water intrusion performance standards. Aesthetics (appearance) are not a consideration with respect to workmanship provisions. Aesthetic issues such as color or architectural appearance, that are not part of a zoning code, should be addressed as part of the agreement between the owner and the contractor.

2. Renailing wood decks: When replacing roofing, the existing wood roof deck may have to be renailed in accordance with the current provisions of Chapter 16 (High Velocity Hurricane Zones) of the Florida Building Code. (The roof deck is usually concealed prior to removing the existing roof system).

3. Common roofs: Common roofs are those which have no visible delineation between neighboring units (i.e. townhouses, condominiums, etc.). In buildings with common roofs, the roofing contractor and/or owner should notify the occupants of adjacent units of roofing work to be performed.

4. Exposed ceilings: Exposed, open beam ceilings are where the underside of the roof decking can be viewed from below. The owner may wish to maintain the architectural appearance; therefore, roofing nail penetrations of the underside of the decking may not be acceptable. The owner provides the option of maintaining this appearance.

5. Ponding water: The current roof system and/or deck of the building may not drain well and may cause water to pond (accumulate) in low-lying areas of the roof. Ponding can be an indication of structural distress and may require the review of a professional structural engineer. Ponding may shorten the life expectancy and performance of the new roofing system. Ponding conditions may not be evident until the original roofing system is removed. Ponding conditions should be corrected.

6. Overflow scuppers (wall outlets): It is required that rainwater flow off so that the roof is not overloaded from a build up of water. Perimeter/edge walls or other roof extensions may block this discharge if overflow scuppers (wall outlets) are not provided. It may be necessary to install overflow scuppers in accordance with the requirements of: Chapter 15 and 16 herein and the *Florida Building Code, Plumbing*.

7. Ventilation: Most roof structures should have some ability to vent natural airflow through the interior of the structural assembly (the building itself). The existing amount of attic ventilation shall not be reduced.

Owner's/Agent's Signature:

Date: / /

Contractor's Signature:

Permit Number:

Property Address:

Florida Building Code Edition 2010
High Velocity Hurricane Zone Uniform Permit Application Form

Section A (General Information)

Master Permit No. _____ Process No. _____

Contractor's Name LAR Construction

Job Address 8255 SW 141 ST Palmetto bay

ROOF CATEGORY

- | | | |
|---|---|--|
| <input type="checkbox"/> Low Slope | <input type="checkbox"/> Mechanically Fastened | <input checked="" type="checkbox"/> Mortar/Adhesive Set Tile |
| <input type="checkbox"/> Asphaltic Shingles | Tile | <input type="checkbox"/> Wood Shingles/Shakes |
| | <input type="checkbox"/> Metal Panel/Shingles | |
| | <input type="checkbox"/> Prescriptive BUR-RAS 150 | |

ROOF TYPE

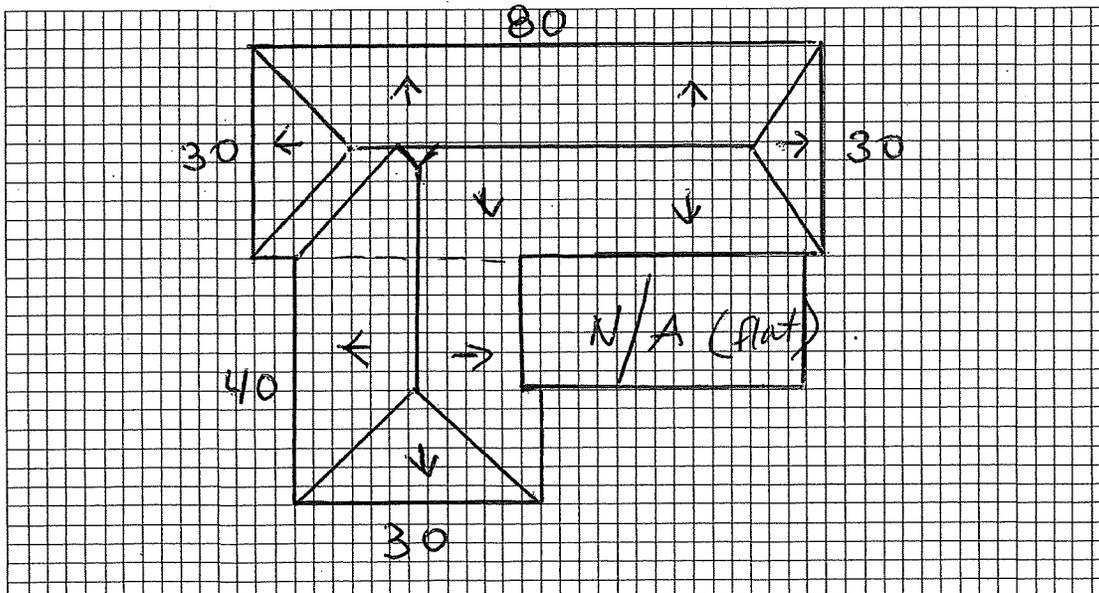
- New Roof Reroofing Recovering Repair Maintenance

ROOF SYSTEM INFORMATION

Low Slope Roof Area {SF}	Steep Sloped Roof Area {SF}	Total {SF}
<u>0</u>	<u>3,600 Sq Ft</u>	<u>3,600 Sq Ft</u>

SECTION B (Roof Plan)

Sketch Roof Plan: Illustrate all levels and sections, roof drains, scuppers, overflow scuppers and overflow drains. Include dimensions of sections and levels, clearly identify dimensions of elevated pressure zones and location of parapets.





Miami-Dade County HVHZ Electronic Roof Permit Form Section D Tile Roof System

"Delivering Excellence Every Day"

Roof System Manufacturer:

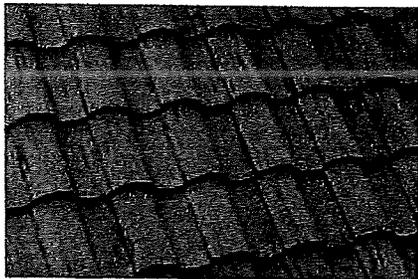
Notice of Acceptance Number (NOA):

Minimum Design Wind Pressures, If Applicable (from RAS 127 or Calculations):

P 1: P 2: P 3:

Maximum Design Wind Pressures, (From the NOA Specific system): psf

Fill in the specific roof assembly components. If a component is not required, insert not applicable (n/a) in the text box.



Deck Type:

Optional Insulation:

Optional Nailable Substrate:

Optional Nailable Substrate Attachment:

Basesheet Type:

Fastener Type for Basesheet Attachment:

Tile Underlayment (Cap Sheet) Type:

Tile Underlayment Attachment Method:

Tile Profile:

Roof Slope: "/12"

Roof Mean Height: ft.

Method of Tile Attachment:

Alternate Method of Tile Attachment per NOA:

Drip Edge Size & Gauge:

Drip Edge Material Type:

Drip Edge Fastener Type:

Hook Strip/Cleat gauge or weight:



Miami-Dade County HVHZ Electronic Roof Permit Form

Section E (Tile Calculations)

Method 1 "Moment Based Tile Calculations Per RAS 127"

For Moment based tile systems, use Method 1. Compare the values for Mr with the values from Mf. If the Mf values are greater than or equal to the Mr values, for each area of the roof, then the tile attachment method is acceptable.

$$\begin{aligned}
 P1: & \boxed{-39.1} \times \lambda \boxed{0.278} = \boxed{10.87} - Mg: \boxed{7.71} = Mr1: \boxed{3.16} \leq \boxed{31.3} \text{ NOA Mf} \\
 P2: & \boxed{-68.1} \times \lambda \boxed{0.278} = \boxed{18.93} - Mg: \boxed{7.71} = Mr2: \boxed{11.22} \leq \boxed{31.3} \text{ NOA Mf} \\
 P3: & \boxed{-100.7} \times \lambda \boxed{0.278} = \boxed{27.99} - Mg: \boxed{7.71} = Mr3: \boxed{20.28} \leq \boxed{31.3} \text{ NOA Mf}
 \end{aligned}$$

Method 3 "Uplift Based Tile Calculations Per RAS 127"

For Uplift based tile systems use Method 3. Compare the values for F' with the values for Fr. If the F' values are greater than or equal to the Fr values, for each area of the roof, then the tile attachment method is acceptable.

$$\begin{aligned}
 P1: & \boxed{} \times l: \boxed{} = \boxed{} \times w: \boxed{} = \boxed{} - W: \boxed{} = \boxed{} \times \cos \theta: \boxed{} = Fr1: \boxed{} \leq \boxed{} \text{ NOA F'} \\
 P2: & \boxed{} \times l: \boxed{} = \boxed{} \times w: \boxed{} = \boxed{} - W: \boxed{} = \boxed{} \times \cos \theta: \boxed{} = Fr2: \boxed{} \leq \boxed{} \text{ NOA F'} \\
 P3: & \boxed{} \times l: \boxed{} = \boxed{} \times w: \boxed{} = \boxed{} - W: \boxed{} = \boxed{} \times \cos \theta: \boxed{} = Fr3: \boxed{} \leq \boxed{} \text{ NOA F'}
 \end{aligned}$$

Where to Obtain Information to complete tile calculations

Description	Symbol	Where to Find
Design Pressure	P1 or P2 or P3	Table 1 RAS 127, or by an engineer analysis prepared, signed and sealed by a professional engineer based on ASCE 7.
Mean Roof Height	H	Job Site
Roof Slope	θ	Job Site
Aerodynamic Multiplier	λ	Product Approval (NOA)
Restoring Moment due to Gravity	Mg	Product Approval (NOA)
Attachment Resistance	Mf	Product Approval (NOA)
Required Moment Resistance	Mr	Calculated
Minimum Attachment Resistance	F'	Product Approval (NOA)
Required Uplift Resistance	Fr	Calculated
Average Tile Weight	W	Product Approval (NOA)
Tile Dimensions	l = length w = width	Product Approval (NOA)



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) 215-2590 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: Low 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 No.16-0314.06 and consists of pages 1 through 9.

The submitted documentation was reviewed by *Freddy Semino* 



NOA No. 17-0822.13
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ROOFING ASSEMBLY APPROVAL

Category: Roofing
 Sub Category: Roofing Tiles
 Material: Concrete

1. SCOPE:

This approves a new roofing system using "Low 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>
Low Profile Concrete Tile	Length = 17" Width = 12 1/4" Thickness = 1/2"	TAS 112 Type 3a Class III	Flat profile concrete roof tile equipped with two nail holes. For adhesive set, direct deck or battened nail-on applications.
Low Profile Concrete Tile	Length = 17" Width = 12 1/4" Thickness = 1/2"	TAS 112 Type 3a Class III	Flat profile concrete roof tile equipped with two nail holes. For adhesive set, direct deck or battened nail-on applications.
Low Profile Concrete Tile	Length = 17" Width = 12 1/4" Thickness = 1/2"	TAS 112 Type 3a Class III	Flat profile concrete roof tile with slate finish equipped with two nail holes. For adhesive set, direct deck or battened nail-on applications.
Low Profile Concrete Tile	Length = 17" Width = 12 1/4" Thickness = 1/2"	TAS 112 Type 3a Class III	Flat profile concrete roof tile with shake finish equipped with two nail holes. For adhesive set, direct deck or battened nail-on applications.
Low Profile Concrete Tile	Length = 17" Width = 12 1/4" Thickness = 1/2"	TAS 112 Type 3a Class III	Flat profile concrete roof tile brushed finish equipped with two nail holes. For adhesive set, 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 and ridges. Manufactured for each tile profile.



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2.1 EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
PRI Asphalt Technologies	ERPF-001-02-01	TAS-112	Aug. 2006
Redland Technologies	7161-03 Appendix III	Static Uplift Testing TAS 102	Dec. 1991
Redland Technologies	7161-03 Appendix III	Static Uplift Testing TAS 102(A)	Dec. 1991
Redland Technologies	7161-03 Appendix II	Wind Tunnel Testing TAS 108 (Nail-On)	Dec. 1991
Redland Technologies	P0402	Withdrawal Resistance Testing of screw vs. smooth shank nails	Sept. 1993
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
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-(2, 5, & 8)	Static Uplift Testing TAS 102	Oct. 1994
The Center for Applied Engineering, Inc.	25-7183-(5 thru 6)	Static Uplift Testing TAS 102	Feb. 1995
The Center for Applied Engineering, Inc.	25-7214-(1, 5, & 8)	Static Uplift Testing TAS 102	March, 1995
The Center for Applied Engineering, Inc.	25-7487-2	Static Uplift Testing TAS 102	Dec. 1995
The Center for Applied Engineering, Inc.	25-7496-(1 & 4)	Static Uplift Testing TAS 102	Dec. 1995
The Center for Applied Engineering, Inc.	25-7804-6	Static Uplift Testing TAS 102	Sep. 1996
Celotex Corporation Testing Service	520109-1 520111-4	Static Uplift Testing TAS 101	Dec. 1998
Celotex Corporation Testing Service	520191-1	Static Uplift Testing TAS 101	March 1999
Walker Engineering, Inc.	Calculations	Aerodynamic Multiplier	Sep. 2006
Walker Engineering, Inc.	Calculations	Restoring Moments Due to Gravity	Sep. 2006
ATL of South Florida	RT1214.01-15	TAS-112	12/17/15
ATL of South Florida	RT0706.01-17	TAS-112	09/25/17

MIAMI-DADE COUNTY
APPROVED

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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 Rule 61G20-3 of the Florida Administrative Code.

4 INSTALLATION:

- 4.1 Eagle Roofing Products LLC Low Profile Flat Concrete Roof Tiles 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)
Low Profile Flat Tile	11.4	1.42	1.03

Table 2: Aerodynamic Multipliers - λ (ft ³)		
Tile Profile	λ (ft ³) Batten Application	λ (ft ³) Direct Deck Application
Low Profile Flat Tile	0.301	0.278

Table 3: Restoring Moments due to Gravity - M_g (ft-lbf)										
Tile Profile	3":12"		4":12"		5":12"		6":12"		Greater than 7":12"	
	Battens	Direct Deck	Battens	Direct Deck						
Low Profile Flat Tile	7.48	7.71	7.37	7.59	7.22	7.44	7.05	7.27	6.86	7.07

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
	2-10d Ring Shank Nails	30.9	38.1	17.2



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Low Profile Flat Tile	1-10d Smooth or Screw Shank Nail	7.3	9.8	4.9
	2-10d Smooth or Screw Shank Nails	14.0	18.8	7.4
	1 #8 Screw	30.8	30.8	18.2
	2 #8 Screw	51.7	51.7	24.4
	1-10d Smooth or Screw Shank Nail (Field Clip)	24.3	24.3	24.2
	1-10d Smooth or Screw Shank Nail (Eave Clip)	19.0	19.0	22.1
	2-10d Smooth or Screw Shank Nails (Field Clip)	35.5	35.5	34.8
	2-10d Smooth or Screw Shank Nails (Eave Clip)	31.9	31.9	32.2
	2-10d Ring Shank Nails ¹	50.3	65.5	48.3

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_f (ft-lbf) for Two Patty Adhesive Set Systems		
Tile Profile	Tile Application	Attachment Resistance
Low Profile Flat Tile	Adhesive ¹	31.3 ²

1 See manufactures component approval for installation requirements.
2 The Dow Chemical Company TileBond Average weight per patty 13.9 grams. ICP Adhesives Polyset® AH-160 Average weight per patty 8 grams.

Table 6: Attachment Resistance Expressed as a Moment - M_f (ft-lbf) for Single Patty Adhesive Set Systems		
Tile Profile	Tile Application	Attachment Resistance
Low Profile Flat Tile	ICP Adhesives Polyset® AH-160	118.9 ³
	ICP Adhesives Polyset® AH-160	40.4 ⁴

3 Large paddy placement of 45 grams of PolyPro™.
4 Medium paddy placement of 24 grams of PolyPro™.

Table 7: Attachment Resistance Expressed as a Moment - M_f (ft-lbf) for Mortar Set Systems		
Tile Profile	Tile Application	Attachment Resistance
Low Profile Flat Tile	Mortar Set ⁵	43.9

5 Tile-Tite Roof Tile Mortar.



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)

LOW PROFILE CONCRETE ROOF TILE LABEL, SUMTERVILLE PLANT

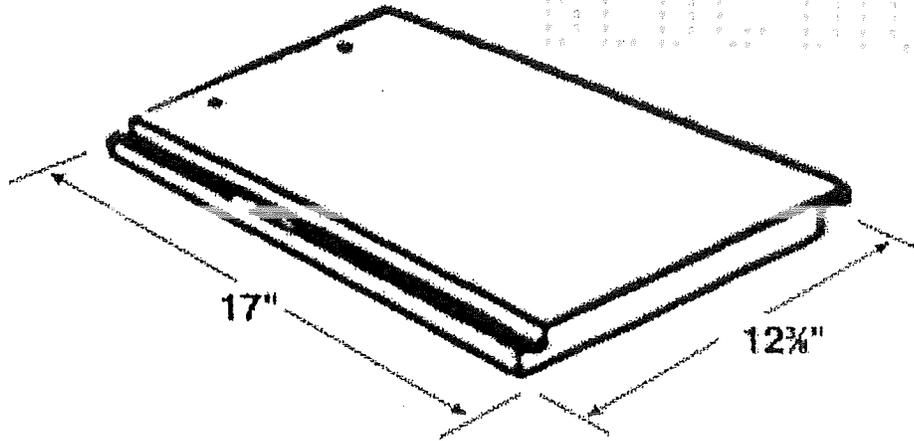
6. BUILDING PERMIT REQUIREMENTS:

- 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.

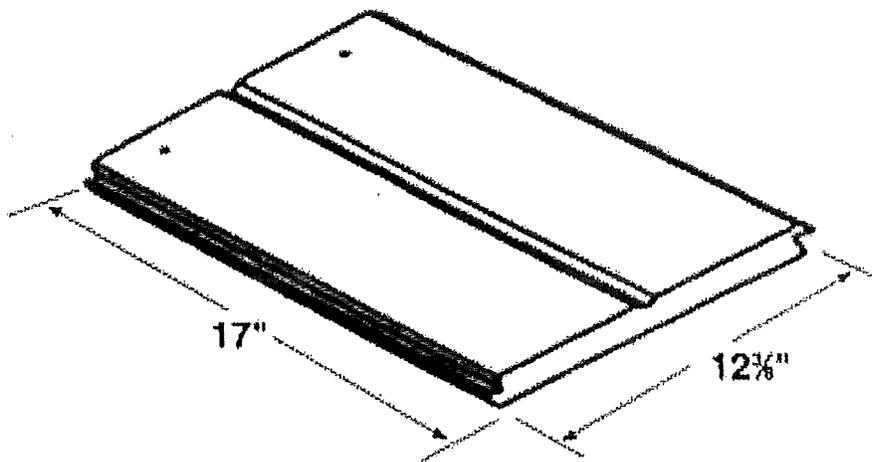


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PROFILE DRAWING

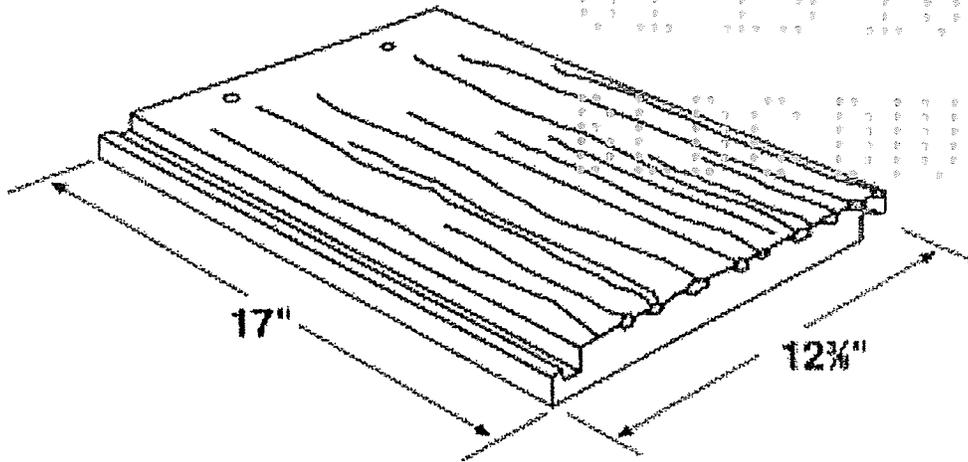


LOW PROFILE ROOF TILE

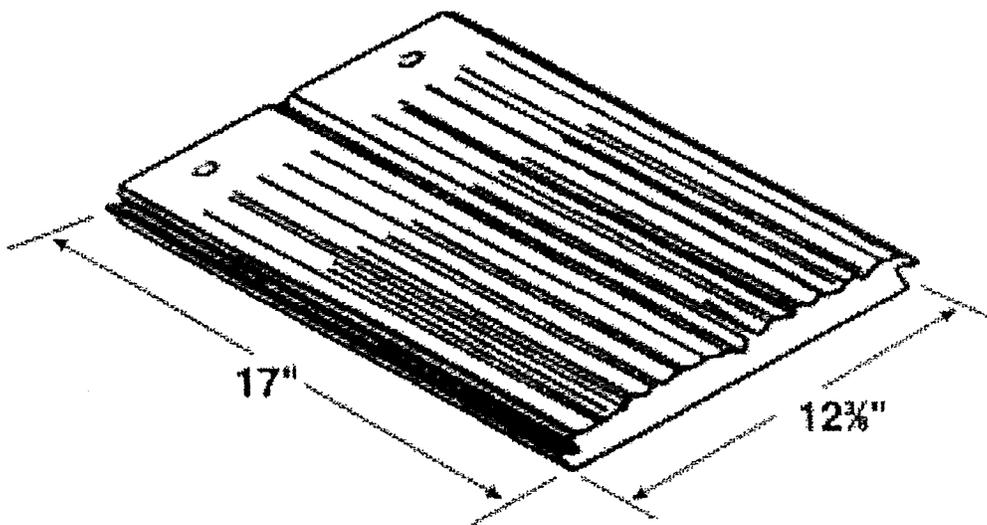


LOW PROFILE ROOF TILE





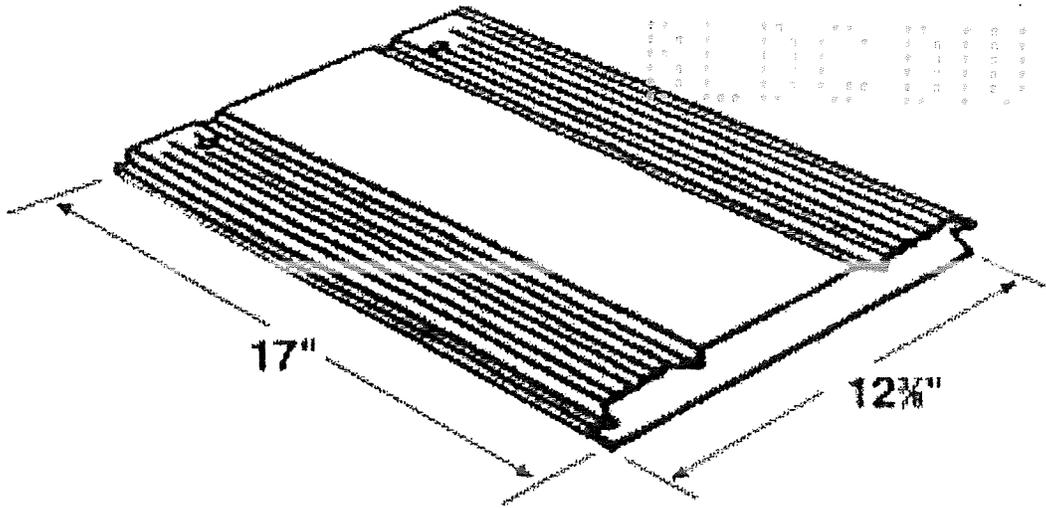
LOW PROFILE ROOF TILE



LOW PROFILE ROOF TILE



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LOW PROFILE ROOF TILE
END OF THIS ACCEPTANCE



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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 renews and revises NOA No.15-0410.04 and consists of pages 1 through 8.

The submitted documentation was reviewed by *Freddy Semino*,



[Handwritten signature]



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Approval Date: 07/06/17
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ROOFING COMPONENT APPROVAL

Category: Roofing
Sub-Category: Underlayment
Material: SBS , APP Self-Adhering Modified Bitumen

PRODUCTS DESCRIPTION:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Polystick IR-Xe <i>Manufacturing Location #1 & #2</i>	65' x 3'3-3/8" Or 65' x 3' 60 mils thick	ASTM D 1970	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 Dual Pro <i>Manufacturing Location #2</i>	61' x 3'3-3/8" 60 mils thick	TAS 103 and ASTM D 1970	A rubberized asphalt self-adhering, glass-fiber/polyester reinforced waterproofing membrane. Designed as a metal roofing and roof tile underlayment.
Polystick Tile Pro <i>Manufacturing Location #2</i>	61' x 3'3-3/8" 60 mils thick	TAS 103 and ASTM D 1970	A rubberized asphalt self-adhering, glass-fiber/polyester reinforced waterproofing membrane. Designed as a metal roofing and roof tile underlayment.
Polystick TU Max <i>Manufacturing Location #1 & #2</i>	65'8" x 3'3-3/8" 60 mils thick	TAS 103 and ASTM D 1970	A rubberized asphalt self-adhering, polyester reinforced waterproofing membrane. Designed as a roof tile underlayment.
Polystick TU P <i>Manufacturing Location #2</i>	32'10" x 3'3-3/8" 130 mils thick	TAS 103 and ASTM D 1970	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</i>	65' x 3'3-3/8" 80 mils thick	TAS 103 and ASTM D 1970	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 #2</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</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.
Elastoflex S6 G <i>Manufacturing Location #2</i>	32'10" x 3'3-3/8"	TAS 103 and ASTM D 6164	Polyester reinforced, SBS modified bitumen membrane with a sanded back face and a granule top surface. For use in roof tile underlayment systems.



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MANUFACTURING PLANTS:

1. Hazelton, PA
2. Winter Haven, FL

EVIDENCE SUBMITTED

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
Trinity ERD	P10870.09.08-R1	TAS 103	12/04/08
	P10870.04.09	TAS 103/ASTM D4798 & G155	04/13/09
	P33360.06.10	ASTM D1970	07/01/10
	P33370.03.11	TAS 103	03/02/11
	P33370.04.11	ASTM D 1623	04/26/11
	P36900.09.11	TAS 103/ASTM D4798 & G155	09/01/11
	P37300.10.11	TAS 110/ASTM D4798 & D1970	10/19/11
	P40390.08.12-2	ASTM D 1623	08/07/12
	P37590.07.13-1	ASTM D6164	07/02/13
	P45270.05.14	TAS 103, TAS 110 & ASTM D1623	05/12/14
	P46520.10.14	ASTM D1623	10/03/14
	P44360.10.14	TAS 103 & TAS 110	10/07/14
	P43290.10.14	ASTM D 1970 & TAS 110	10/17/14
	PLYG-SC10130.06.16-3	TAS 103 & TAS 110	06/27/16
	PLYG-10130.06.16-1	ASTM D1970 & TAS 110	06/27/16
PRI Asphalt Technologies	PUSA-035-02-01	TAS 103	09/29/06
	PUSA-055-02-02	TAS 103	12/10/07
	PUSA-089-02-01	TAS 103/ASTM D4798 & G155	07/06/09
Momentum Technologies, Inc.	JX20H7A	TAS 103/ASTM D4798 & G155	04/01/08
	RX14E8A	TAS 103/ASTM D4798 & G155	11/09/09
	DX23D8B	TAS 103/ASTM D4798 & G155	02/18/10
	DX23D8A	TAS 103/ASTM D4798 & G155	02/18/10

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.



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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 IR-Xe, Polystick Dual Pro, Polystick Tile Pro, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS or Polystick MTS Plus**, self-adhered.
Surfacing: See General Limitations Below.

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: **Elastoflex S6 G**, hot asphalt applied
Surfacing: See General Limitations Below.

Deck Type 1: Wood, non-insulated
Deck Description: Min. 19/32" plywood or wood plank
System Type E(3): 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 Plus**, self-adhered with minimum 3" horizontal laps and minimum 6" vertical laps.
Membrane: **Polystick TU Plus**, self-adhered.
Surfacing: See General Limitations Below.



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 Dual Pro, Polystick Tile Pro, Polystick TU Plus, Polystick MTS and Polystick MTS Plus** may be used in asphaltic shingles, wood shakes and shingles, non-structural metal roofing, roof tile systems and quarry slate roof assemblies.
Polystick TU P may be used in all the previous assemblies listed except metal roofing.
Polystick IR-Xe may be used in all the previous assemblies listed except metal roofing and roof tile systems.
Polystick TU Max may be used in non-structural metal roofing and roof tile systems.
Elastoflex S6 G may be used in roof tile systems only.
3. Deck requirements shall be in compliance with applicable building code.
4. **Polystick IR-Xe, Polystick Dual Pro, Polystick Tile Pro, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS and Polystick MTS Plus** shall be applied to a smooth, clean and dry surface. The deck shall be free of irregularities.
5. **Polystick IR-Xe, Polystick Dual Pro, Polystick Tile Pro, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS and Polystick MTS Plus** shall not be adhered directly over a pre-existing roof membrane as a recover system.
6. **Polystick IR-Xe, Polystick Dual Pro, Polystick Tile Pro, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS and Polystick MTS Plus** 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 preceding maximum time limitations.

Exposure Limitations (Days)									
	MTS	IR-Xe	Elastoflex S6 G	TU Plus	TU P	Tile Pro	Dual Pro	TU Max	MTS Plus
Winter Haven, FL	180	90	180	180	180	180	180	180	180
Hazelton, PA	N/A	90	N/A	180	N/A	N/A	N/A	180	N/A

7. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and



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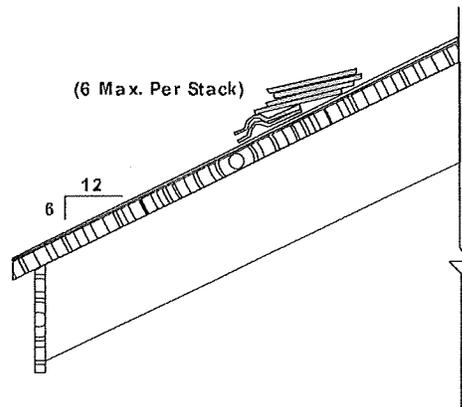
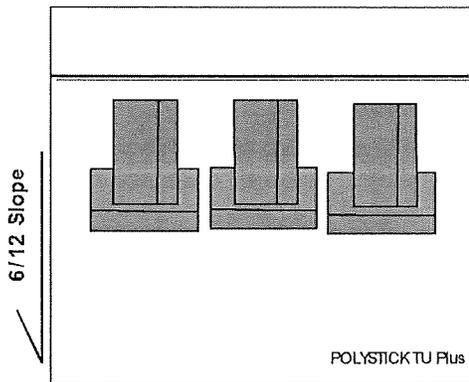
Rule 61G20-3 of the Florida Administrative Code.

8. In roof tile application, data for the attachment resistance of roof tiles shall be as set forth in the roof tile manufacturer's Notice of Acceptance.
Polystick Tile Pro, Polystick TU Max, Polystick TU Plus or Elastoflex S6 G may be used in both adhesive set and mechanically fastened roof tile applications.
Polystick Dual Pro is limited to mechanically fastened roof tile applications.
Polystick MTS and Polystick MTS Plus are limited to mechanically fastened with the limitations outlined in Section 9.
Polystick TU P may be used in mechanically fastened roof tile applications with the exception of mortar set tile applications.
9. 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 Profile	Polystick MTS	Elastoflex S6 G	Polystick TU Plus, TU P, Tile Pro, Dual Pro	Polystick TU Max	Polystick MTS Plus	System (E3) MTS Plus with TU Plus
Flat Tile	Prohibited without battens	4:12	6:12	6:12	5:12	6:12
Profiled Tile	Prohibited without battens	4:12	6:12	6:12	4:12	6:12

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.

10. 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 – for all underlayments except **Polystick MTS** which shall be loaded onto battens.



11. 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 Dual Pro, Polystick Tile Pro, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS, Polystick MTS Plus or Elastoflex S6 G** may be used with any approved roof covering Notice of Acceptance listing **Polystick IR-Xe, Polystick Dual Pro, Polystick Tile Pro, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS, Polystick MTS Plus or Elastoflex S6 G** as a component part of an assembly in the Notice of Acceptance. If **Polystick IR-Xe, Polystick Dual Pro, Polystick Tile Pro, Polystick TU Max, Polystick TU P, Polystick TU Plus, Polystick MTS, Polystick MTS Plus or Elastoflex S6 G** 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 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 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 55 Premium Modified Flashing Cement, Polyglass Polyplus 50 Premium MB Flashing Cement, XtraFlex 50 Premium Modified Wet/Dry Cement, Polyglass PG500 MB Flashing Cement, 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 #9 and #10.
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 55 Premium Modified Flashing Cement, Polyglass Polyplus 50 Premium MB Flashing Cement, XtraFlex 50 Premium Modified Wet/Dry Cement, Polyglass PG500 MB Flashing Cement 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.



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10. All self-adhered membranes must be rolled to ensure full contact with approved substrates. Polyglass requires a minimum of 40 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



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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.miamidadecounty.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: ICP Adhesives 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 16-0315.01 and consists of pages 1 through 11.
The submitted documentation was reviewed by Alex Tigera.



NOA No.: 17-0322.03
Expiration Date: 05/10/22
Approval Date: 04/27/17

ROOFING COMPONENT APPROVAL:

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

SCOPE:

This approves ICP Adhesives 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 ICP Adhesives Polyset® AH-160.

PRODUCTS MANUFACTURED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
ICP Adhesives 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 ICP Adhesives Polyset® AH-160 roof tile adhesive.

MANUFACTURING LOCATION:

1. Tomball, TX.

PHYSICAL PROPERTIES:

<u>Property</u>	<u>Test</u>	<u>Results</u>
Density	ASTM D 1622	1.6 lbs./ft. ³
Compressive Strength	ASTM D 1621	18 PSI Parallel to rise 12 PSI Perpendicular to rise
Tensile Strength	ASTM D 1623	28 PSI Parallel to rise
Water Absorption	ASTM D 2127	0.08 Lbs./Ft ²
Moisture Vapor Transmission	ASTM E 96	3.1 Perm / Inch
Dimensional Stability	ASTM D 2126	+0.07% Volume Change @ -40° F., 2 weeks +6.0% Volume Change @158°F., 100% Humidity, 2 weeks
Closed Cell Content	ASTM D 2856	86%

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.



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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		

LIMITATIONS:

1. Fire classification is not part of this acceptance. Refer to the Prepared Roof Tile Assembly for fire rating.
2. ICP Adhesives 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 ICP Adhesives 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.



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INSTALLATION:

1. ICP Adhesives Polyset® AH-160 may be used with any roof tile assembly having a current NOA that lists attachment resistance values with the use of ICP Adhesives Polyset® AH-160.
2. ICP Adhesives 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 ICP Adhesives 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. ICP Adhesives 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. ICP Adhesives Polyset® AH-160 shall be applied with ICP Adhesives Foam Dispenser RTF1000 or ICP Adhesives ProPack® 30 & 100 dispensing equipment only.
7. ICP Adhesives 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 ICP Adhesives Polyset® AH-160 has been dispensed.
9. ICP Adhesives 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.



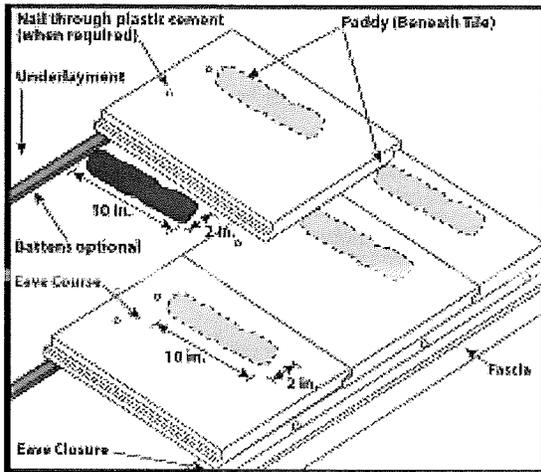
BUILDING PERMIT REQUIREMENTS:

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



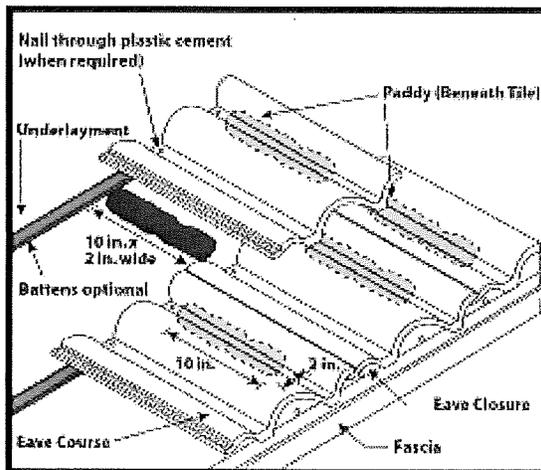
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ADHESIVE PLACEMENT DETAIL # 1



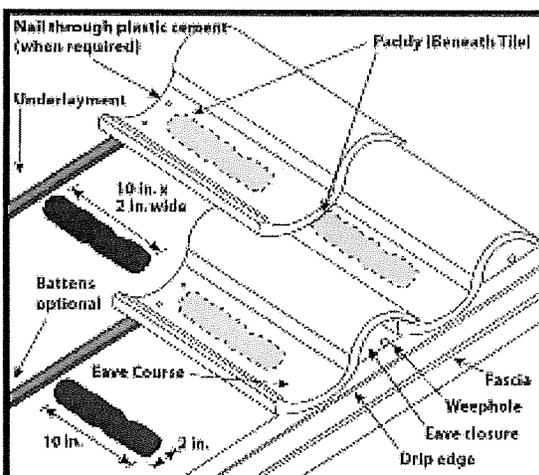
Flat/Low Profile Tile

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.

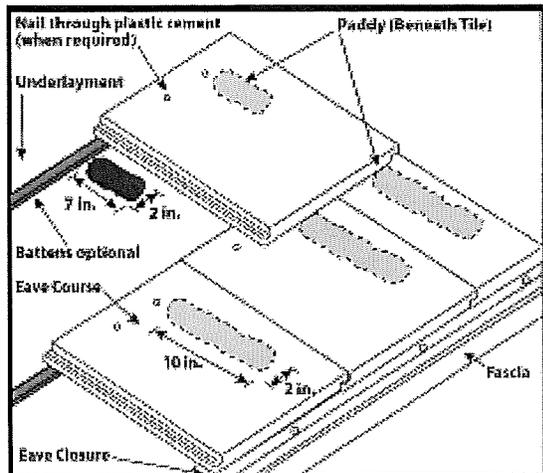


High Profile / Single Pan Tile

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.

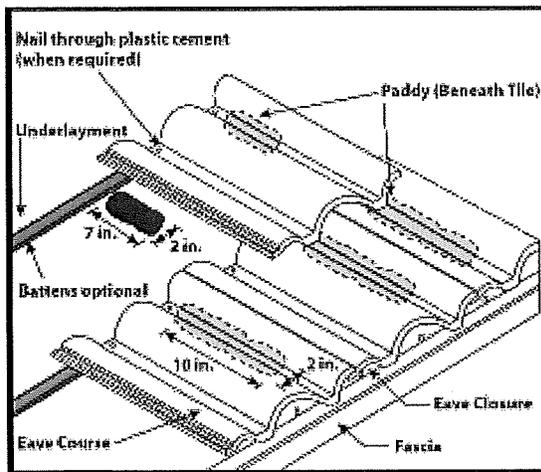


ADHESIVE PLACEMENT DETAIL # 2



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.

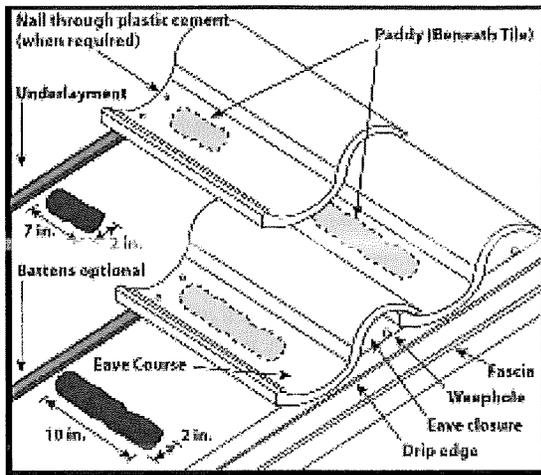


Medium Profile / Double Pan Tile

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)

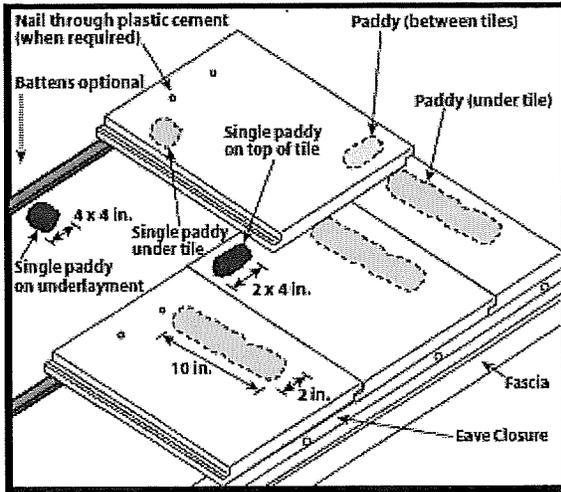
ADHESIVE PLACEMENT DETAIL # 2 (CONTINUED)



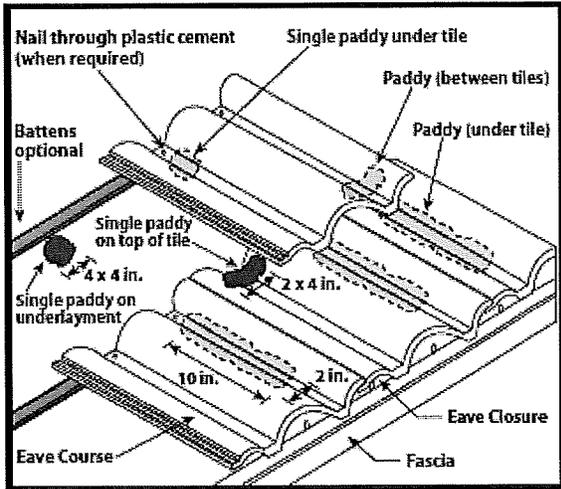
High Profile / Single Pan Tile

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



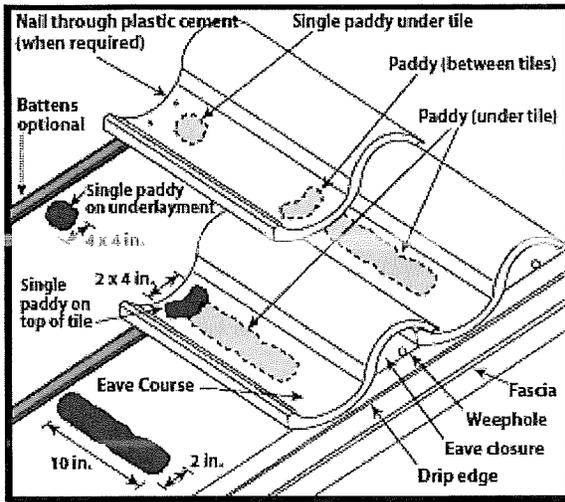
Medium Profile Tile

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)



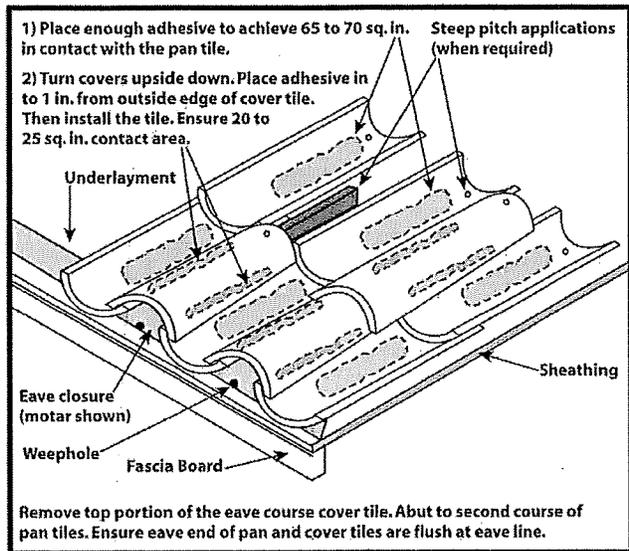
High Profile Tile

- Also apply a 2" (50.8 mm) x 4" (101.6 mm) x 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 (71 cm²) 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 (Cap and Pan) Tile



Two Piece Barrel - High 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 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

**MIAMI-DADE COUNTY
APPROVED**

NOA No.: 17-0322.03
Expiration Date: 05/10/22
Approval Date: 04/27/17
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BRF 2018 3075
 8 25 5 SW 14154

OFFICE COPY

VILLAGE OF PALMETTO BAY				
THIS COPY OF PLAN MUST BE AVAILABLE ON BUILDING SITE OR NO INSPECTION WILL BE GIVEN				
SECTION	APPROVED		DISAPPROVED	
	BY	DATE	BY	DATE
ZONING				
P & Z				
LANDSCAPING				
FLOOD				
PUBLIC SERVICES				
BUILDING	<i>DM</i>	<i>1/19/18</i>		
HANDICAP				
STRUCTURAL				
ELECTRICAL				
MECHANICAL				
PLUMBING				
UTILITIES				
BUILDING OFFICIAL				

Subject to compliance with all Federal, State and County Law, rules and regulations. The Village of Palmetto Bay assumes no responsibility for accuracy of all results of these plans.

NOTICE: In addition to the requirements of these permits there may be additional restrictions applicable to this in the public record of this county and village.