

SECTION 00300

PROPOSAL

TO THE MAYOR AND COMMISSIONERS  
CITY OF HOLLYWOOD, FLORIDA

SUBMITTED November 4, 2015

Dear Mayor and Commissioners:

The undersigned, as BIDDER, hereby declares that the only person or persons interested in the Proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this Proposal or in the Contract to be entered into; that this Proposal is made without connection with any other person, company or parties making a Bid or Proposal; and that it is in all respects fair and in good faith without collusion or fraud.

The BIDDER further declares that he has examined the site of the Work and informed himself fully in regard to all conditions pertaining to the place where the Work is to be done; that he has examined the Drawings and Specifications for the Work and contractual documents relative thereto, including the Notice to Bidders, Instructions to Bidders, Proposal Bid Form, Form of Bid Bond, Form of Contract and Form of Performance Bond, General, Supplementary and Technical Specifications, Addenda, Drawings, and Local Preference Program, Exhibit A, and has read all of the Provisions furnished prior to the opening of bids; and that he has satisfied himself relative to the work to be performed.

The undersigned BIDDER has not divulged to, discussed or compared his bid with other bidders and has not colluded with any other BIDDER of parties to this bid whatever.

If this Proposal is accepted, the undersigned BIDDER proposes and agrees to enter into and execute the Contract with the City of Hollywood, Florida, in the form of Contract specified; of which this Proposal, Instructions to Bidders, General Specifications, Supplementary Conditions and Drawings shall be made a part for the performance of Work described therein; to furnish the necessary bond equal to one hundred (100) percent of the total Contract base bid, the said bond being in the form of a Cash Bond or Surety Bond prepared on the applicable approved bond form furnished by the CITY; to furnish all necessary materials, equipment, machinery, tools, apparatus, transportation, supervision, labor and all means necessary to construct and complete the work specified in the Proposal and Contract and called for in the Drawings and in the manner specified; to commence Work on the effective date established in the "Notice to Proceed" from the ENGINEER; and to substantially complete all Contract Work within 60 days with final completion within 90 days, and stated in the "Notice to Proceed" or pay liquidated damages for each calendar day in excess thereof, or such actual and consequential damages as may result therefrom, and to abide by the Local Preference Ordinance.

The BIDDER acknowledges receipt of the following addenda:

No. <u>1</u>	Dated <u>10/26/2015</u>
No. <u>2</u>	Dated <u>10/26/2015</u>
No. _____	Dated _____

And the undersigned agrees that in case of failure on his part to execute the said Contract and the Bond within ten (10) days after being presented with the prescribed Contract forms, the check or Bid Bond accompanying his bid, and the money payable thereon, shall be paid into the funds of the City of Hollywood, Florida, otherwise, the check or Bid Bond accompanying this Proposal shall be returned to the undersigned.

Attached hereto is a certified check on the

\_\_\_\_\_ Bank of \_\_\_\_\_

or approved Bid Bond for the sum of

10% of bid amount Dollars (\$10% ) according to the  
conditions under the Instructions to Bidders and provisions therein. of bid amount

NOTE: If a Bidder is a corporation, the legal name of the corporation shall be set forth below, together with signature(s) of the officer or officers authorized to sign Contracts on behalf of the corporation and corporate seal; if Bidder is a partnership, the true name of the firm shall be set forth below with the signature(s) of the partner or partners authorized to sign Contracts in behalf of the partnership; and if the Bidder is an individual, his signature shall be placed below; if a partnership, the names of the general partners.

WHEN THE BIDDER IS AN INDIVIDUAL:

N/A

(Signature of Individual)

N/A

(Printed Name of Individual)

N/A

(Address)

\*\*\*\*\*

WHEN THE BIDDER IS A SOLE PROPRIETORSHIP OR OPERATES UNDER A TRADE NAME:

N/A

(Name of Firm)

N/A

(Address)

N/A

(SEAL)  
(Signature of Individual)

\*\*\*\*\*

WHEN THE BIDDER IS A PARTNERSHIP:

N/A

(Name of Firm) A Partnership

N/A

(Address)

By: N/A

(SEAL)

(Partner)

Name and Address of all Partners:

N/A

N/A

\*\*\*\*\*

WHEN THE BIDDER IS A JOINT VENTURE:

N/A

(Correct Name of Corporation)

By: N/A

(SEAL)

(Address)

N/A

(Official Title)

As Joint Venture

(Corporate Seal)

Organized under the laws of the State of \_\_\_\_\_, and authorized by the law to make this bid and perform all Work and furnish materials and equipment required under the Contract Documents.

\*\*\*\*\*

WHEN THE BIDDER IS A CORPORATION:

Infinity Roofing & Sheet Metal Inc

(Correct Name of Corporation)

By: Javier Martinez

(SEAL)

Vicepresident II

(Official Title)

1150 SW 10th Avenue, Suite 201W

Pompano Beach, FL 33069

(Address of Corporation)

Organized under the laws of the State of Florida, and authorized by the law to make this bid and perform all Work and furnish materials and equipment required under the Contract Documents.

CERTIFIED COPY OF RESOLUTION OF  
BOARD OF DIRECTORS

Infinity Roofing & Sheet Metal Inc

(Name of Corporation)

RESOLVED that Javier Martinez  
(Person Authorized to Sign)

Vicepresident II, Infinity Roofing & Sheet Metal Inc  
(Title) (Name of Corporation)

be authorized to sign and submit the Bid or Proposal of this corporation for the following project:

CITY OF HOLLYWOOD

**WTP High Service Building Roof Replacement**

**Project No.: 15-4040**

The foregoing is a true and correct copy of the Resolution adopted by

Infinity Roofing & Sheet Metal Inc at a meeting of its Board of  
(Name of Corporation)

Directors held on the 23rd day of October, 2015.

By: Javier Martinez

Title: Vicepresident II  
(SEAL)

The above Resolution MUST BE COMPLETED if the Bidder is a Corporation.

- END OF SECTION -

SECTION 00420  
INFORMATION REQUIRED FROM BIDDERS  
GENERAL INFORMATION

The Bidder shall furnish the following information. Failure to comply with this requirement may cause its rejection. Additional sheets shall be attached as required.

1. Contractor's Name/Address: Infinity Roofing & Sheet Metal Inc.  
1150 SW 10th Avenue, Suite 201 W. Pompano Beach, FL 33069  
\_\_\_\_\_
2. Contractor's Telephone Number: 954-917-7107  
and e-mail address: cmarin@infinityrfg.com  
\_\_\_\_\_
3. Contractor's License (attach copy): CCC057467  
Primary Classification: State Certified Roofing Contractor  
Broward County License Number (attach copy): N/A.  
\_\_\_\_\_
4. Number of years as a Contractor in construction work of the type involved in this  
Contract: Sixteen (16)  
\_\_\_\_\_
5. List the names and titles of all officers of Contractor's firm:  
John B. Mitala, President  
Hector Javier Mendez, Vice President  
Javier Martinez, Vice President II  
\_\_\_\_\_
6. Name of person who inspected site or proposed work for your firm:  
Name: Camilo Marin  
Date of Inspection: October 13, 2015  
\_\_\_\_\_
7. What is the last project of this nature you have completed?  
Linton Medical Park - 4800 Linton Blvd Bldgs D, E, and F. Delray Beach 33445  
\_\_\_\_\_

8. Have you ever failed to complete work awarded to you; if so, where and why?  
No.

9. Name three individuals or corporations for which you have performed work and to which you refer:

Florida Power & Light Company

Waas Construction - Colony Hotel in Palm Beach

Turner Construction - Florida Atlantic University.

10. List the following information concerning all contracts on hand as of the date of submission of this proposal (in case of co-venture, list the information for all coventures).

Name of Project	City	Total Contract Value	Contracted Date of Completion	% Completion to Date
FPL	Indiantown, FL	\$ 230,018.00	December 31, 2015	0%
C1 Bank	Miami, FL	\$ 64,870.00	December 31, 2015	0%
Baptist South Miami Hospital	Miami, FL	\$ 265,336.00	January 31, 2015	15%
Conchita Espinosa Academy	Miami, FL	455,477.00	December 31, 2015	55%

(Continue list on inset sheet, if necessary)

11. What equipment do you own that is available for the work?  
We own all equipment necessary to complete any roofing project such as: foam adhesive machine, safety equipment, hand tools, torches, propane tanks, and any other equipment or machinery necessary to complete the scope of work with.

12. What equipment will you purchase for the proposed work?  
None.

NOTE:

If requested by CITY, the Bidder shall furnish a notarized financial statement, references and other information, sufficiently comprehensive to permit an appraisal of its current financial condition.

### LIST OF SUBCONTRACTORS

The Bidder shall list below the name and address of each Subcontractor who will perform work under this Contract in excess of one-half percent of the total bid price, and shall also list the portion of the work which will be done by such Subcontractor. After the opening of Proposals, changes or substitutions will be allowed with written approval of the City of Hollywood. Subcontractors must be properly licensed and hold a valid Hollywood Certificate of Competency.

	Work to be Performed	Subcontractor's Name / Address
1.	Xart Electric Inc Any Electrical Work	Xart Electric Inc. 8025 SW 28 ST, Miami, FL 33155
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

NOTE: Attach additional sheets if required.

- END OF SECTION -

## SECTION 00301

CITY OF HOLLYWOOD  
DEPARTMENT OF PUBLIC UTILITIES  
ENGINEERING & CONSTRUCTION DIVISION

## PROPOSAL BID FORM Addendum 2 - 10/26/15

**Project Name:** WTP High Service Building Roof Replacement  
**Project No.:** 15-4040

If this Proposal is accepted, the undersigned Bidder agrees to complete all work under this contract within **60 calendar days** following the issuance of the Notice to Proceed. **UNIT PRICE PREVAILS OVER TOTAL PRICE.** All entries on this form must be typed or written in block form in ink. Quantities provided are for information purposes.

<u>No</u>	<u>Description</u>	<u>Qty.</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
1	High Service Building roof replacement. Tear off and properly dispose of existing insulation, flashings, perimeter metal. Install roof insulation as specified. Install top layer of new roof insulation as specified. Install first ply sheet as specified. Install cap sheet as specified. Install new flashings as specified. Install new surface mount counter flashing, lead stack flashing, and other metal components as specified. Remove; reinstall and / or replace conduits, piping, supports, and equipment in compliance with code requirements as required for new roof installation. Provide manufacturer's warranty as specified.	1	LS	1	\$ 59,004.00
2	Aeration Building new roof installation. Install vapor barrier with flashing as specified. Remove, reinstall and / or replace existing grating, piping, supports, bolts, and equipment in compliance with code requirements. Provide manufacturer's warranty as specified.	1	LS	1	\$ 12,741.00
3	Owner's Contingency for work as directed by the Engineer and upon authorization by the Owner due to undefined conditions.	1	AL	\$9,000.00	\$9,000.00
4	Permit fees and Testing Allowance	1	AL	\$6,000.00	\$6,000.00
5	Consideration for Indemnification in accordance with the Supplementary General	1	LS	\$10.00	\$10.00

**BASE BID TOTAL FOR COMPLETE PROJECT**

\$ 86,755.00

**TOTAL BASE BID IN WRITING** Eighty Six Thousand Seven Hundred and Fifty Five Dollars

**COMPANY NAME:** Infinity Roofing & Sheet Metal Inc

SECTION 00301

CITY OF HOLLYWOOD  
DEPARTMENT OF PUBLIC UTILITIES  
ENGINEERING & CONSTRUCTION DIVISION  
PROPOSAL BID FORM Addendum 2 - 10/26/15

**Add Alternate Bid Items:**

- |   |   |   |    |          |                    |
|---|---|---|----|----------|--------------------|
| 1 | Repair of the Chemical Feed Building Roof including pitch pans, blister repair, flashing seams, cauking, aluminum roof coating, etc.      | 1 | LS | <u>1</u> | <u>\$ 3,038.00</u> |
| 2 | Repair of the Control Room/Administration Roof including pitch pans, blister repair, flashing seams, cauking, aluminum roof coating, etc. | 1 | LS | <u>1</u> | <u>\$ 3,793.00</u> |

**NOTES:**

1. SUBSTANTIAL COMPLETION TIME AND PROJECT CLOSEOUT TIME FOR THE CONTRACT SHALL BE AS DEFINED IN THE PROJECT SCHEDULE IN THE SUPPLEMENTARY GENERAL CONDITIONS (SGC'S).
2. QUANTITIES PROVIDED ARE FOR INFORMATION PURPOSES. FULL DESCRIPTION OF THE PAY ITEMS ARE PROVIDED IN SECTION 01025 "BASIS OF PAYMENT". REFER TO BID PACKAGE SPECIFICATIONS FOR ADDITIONAL DESCRIPTIONS OF ITEMS.
3. IT IS THE CITY OF HOLLYWOOD'S INTENT TO AWARD THIS PROJECT TO THE LOWEST RESPONSIVE BIDDER BASED UPON THE TOTAL BASE BID FOR ITEMS 1 THROUGH 5 PLUS ANY SELECTED BID ALTERNATE ITEMS.



## Approved Bid Bond

In the event of the withdrawal of said bid within the specified period, or the failure to enter into such contract and give such bond and insurance within the specified time, the principal and the surety shall pay to the City of Hollywood the difference between the amount specified in said bid and such larger amount for which the City of Hollywood may in good faith contract with another party to perform the work and/or supply the materials covered by said bid.

IN WITNESS WHEREOF, the above bound parties have executed this statement under their several seals this 26TH day of OCTOBER, 2015, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

WHEN THE PRINCIPAL IS AN INDIVIDUAL:

Signed, sealed and delivered in the presence of:

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Signature of Individual

\_\_\_\_\_  
Address

\_\_\_\_\_  
Printed Name of Individual

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Address

Approved Bid Bond

WHEN THE PRINCIPAL IS A CORPORATION:

Attest:



Secretary

INFINITY ROOFING AND SHEET METAL, INC.

Name of Corporation

1150 SW 10TH AVE, SUITE 201W, POMPANO BEACH, FL. 33069

Business Address

By:

(Affix Corporate Seal)

Printed Name

Official Title

CERTIFICATE AS TO CORPORATE PRINCIPAL

I, Hector Javier Mendez, certify that I am the secretary of the Corporation named as Principal in the attached bond; that Javier Martinez who signed the said bond on behalf of the Principal, was then Vice President II of said Corporation; that I know his signature, and his signature thereto is genuine and that said bond was duly signed, sealed and attested for and on behalf of said Corporation by authority of its governing body.

  
Secretary

(SEAL)

## Approved Bid Bond

TO BE EXECUTED BY CORPORATE SURETY:Attest: Sandra K Harrison

WESTCHESTER FIRE INSURANCE COMPANY

\_\_\_\_\_  
Secretary\_\_\_\_\_  
Corporate Surety\_\_\_\_\_  
Business Address11575 Great Oaks Way  
Suite 200  
Alpharetta, GA 30022BY: Cheryl Stipp

(Affix Corporate Seal)

\_\_\_\_\_  
Attorney-in-Fact

CHERYL STIPP

FRANK H. FURMAN, INC.

\_\_\_\_\_  
Name of Local Agency

1314 E ATLANTIC BLVD, POMPANO BEACH, FL 33060

\_\_\_\_\_  
Business Address

## STATE OF FLORIDA

Before me, a Notary Public, duly commissioned, qualified and acting, personally appeared, \_\_\_\_\_  
 CHERYL STIPP \_\_\_\_\_ to me well known, who being by me first duly sworn upon oath  
 says that he is the attorney-in-fact for the \_\_\_\_\_ WESTCHESTER FIRE INSURANCE COMPANY \_\_\_\_\_ and  
 that he has been authorized by \_\_\_\_\_ WESTCHESTER FIRE INSURANCE COMPANY \_\_\_\_\_ to execute the forgoing bond  
 on behalf of the CONTRACTOR named therein in favor of the City of Hollywood, Florida.

Subscribed and sworn to before me this 26TH day of OCTOBER 2015

[Signature]  
 Notary Public, State of Florida

My Commission Expires:



- END OF SECTION -

# Power of Attorney

## WESTCHESTER FIRE INSURANCE COMPANY

Know all men by these presents: That WESTCHESTER FIRE INSURANCE COMPANY, a corporation of the Commonwealth of Pennsylvania pursuant to the following Resolution, adopted by the Board of Directors of the said Company on December 11, 2006, to wit:

"RESOLVED, that the following authorizations relate to the execution, for and on behalf of the Company, of bonds, undertakings, recognizances, contracts and other written commitments of the Company entered into the ordinary course of business (each a "Written Commitment"):

- (1) Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized to execute any Written Commitment for and on behalf of the Company, under the seal of the Company or otherwise.
- (2) Each duly appointed attorney-in-fact of the Company is hereby authorized to execute any Written Commitment for and on behalf of the Company, under the seal of the Company or otherwise, to the extent that such action is authorized by the grant of powers provided for in such persons written appointment as such attorney-in-fact.
- (3) Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized, for and on behalf of the Company, to appoint in writing any person the attorney-in-fact of the Company with full power and authority to execute, for and on behalf of the Company, under the seal of the Company or otherwise, such Written Commitments of the Company as may be specified in such written appointment, which specification may be by general type or class of Written Commitments or by specification of one or more particular Written Commitments.
- (4) Each of the Chairman, the President and Vice Presidents of the Company is hereby authorized, for and on behalf of the Company, to delegate in writing any other officer of the Company the authority to execute, for and on behalf of the Company, under the Company's seal or otherwise, such Written Commitments of the Company as are specified in such written delegation, which specification may be by general type or class of Written Commitments or by specification of one or more particular Written Commitments.
- (5) The signature of any officer or other person executing any Written Commitment or appointment or delegation pursuant to this Resolution, and the seal of the Company, may be affixed by facsimile on such Written Commitment or written appointment or delegation.

FURTHER RESOLVED, that the foregoing Resolution shall not be deemed to be an exclusive statement of the powers and authority of officers, employees and other persons to act for and on behalf of the Company, and such Resolution shall not limit or otherwise affect the exercise of any such power or authority otherwise validly granted or vested.

Does hereby nominate, constitute and appoint Cheryl Stipp, Dirk D DeJong, Dora Villavicencio, all of the City of POMPANO BEACH, Florida, each individually if there be more than one named, its true and lawful attorney-in-fact, to make, execute, seal and deliver on its behalf, and as its act and deed any and all bonds, undertakings, recognizances, contracts and other writings in the nature thereof in penalties not exceeding Ten million dollars & zero cents (\$10,000,000.00) and the execution of such writings in pursuance of these presents shall be as binding upon said Company, as fully and amply as if they had been duly executed and acknowledged by the regularly elected officers of the Company at its principal office,

IN WITNESS WHEREOF, the said Stephen M. Haney, Vice-President, has hereunto subscribed his name and affixed the Corporate seal of the said WESTCHESTER FIRE INSURANCE COMPANY this 22 day of July 2014.

WESTCHESTER FIRE INSURANCE COMPANY

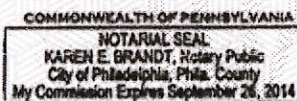


*Stephen M. Haney*  
Stephen M. Haney, Vice President

COMMONWEALTH OF PENNSYLVANIA  
COUNTY OF PHILADELPHIA ss.

On this 22 day of July, AD. 2014 before me, a Notary Public of the Commonwealth of Pennsylvania in and for the County of Philadelphia came Stephen M. Haney, Vice-President of the WESTCHESTER FIRE INSURANCE COMPANY to me personally known to be the individual and officer who executed the preceding instrument, and he acknowledged that he executed the same, and that the seal affixed to the preceding instrument is the corporate seal of said Company; that the said corporate seal and his signature were duly affixed by the authority and direction of the said corporation, and that Resolution, adopted by the Board of Directors of said Company, referred to in the preceding instrument, is now in force.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal at the City of Philadelphia the day and year first above written.



*Karen E. Brandt*  
Notary Public

I, the undersigned Assistant Secretary of the WESTCHESTER FIRE INSURANCE COMPANY, do hereby certify that the original POWER OF ATTORNEY, of which the foregoing is a substantially true and correct copy, is in full force and effect.

In witness whereof, I have hereunto subscribed my name as Assistant Secretary, and affixed the corporate seal of the Corporation, this 26 day of October 2015



*William L. Kelly*  
William L. Kelly, Assistant Secretary

THIS POWER OF ATTORNEY MAY NOT BE USED TO EXECUTE ANY BOND WITH AN INCEPTION DATE AFTER July 22, 2016.



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
5/19/2015

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Frank H. Furman, Inc. 1314 East Atlantic Blvd. P. O. Box 1927 Pompano Beach FL 33061		<b>CONTACT NAME:</b> <b>PHONE (A/C No. Ext):</b> (954) 943-5050 <b>FAX (A/C No):</b> (954) 943-5417 <b>E-MAIL ADDRESS:</b>		
<b>INSURED</b> Infinity Roofing And Sheet Metal Inc 1150 S W 10th Ave, Suite #201W Pompano Beach FL 33069-1326		<b>INSURER(S) AFFORDING COVERAGE</b>		<b>NAIC #</b>
		INSURER A: Indian Harbor Insurance Co		36940
		INSURER B: Continental Casualty Co		20508
		INSURER C: American Guarantee & Liability		26247
		INSURER D: Bridgefield Employers Ins Co		10701
INSURER E:				
INSURER F:				

**COVERAGES**

CERTIFICATE NUMBER May 2015

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR VWD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY			ESG300036501	5/25/2015	5/25/2016	EACH OCCURRENCE	\$ 1,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 50,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						MED EXP (Any one person)	\$ EXCLUDED
	<input checked="" type="checkbox"/> XCU & Contractual						PERSONAL & ADV INJURY	\$ 1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:							
	<input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC					PRODUCTS - COMP/OP AGG	\$ 2,000,000	
								\$
B	AUTOMOBILE LIABILITY			2083041073	5/25/2015	5/25/2016	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000
	<input checked="" type="checkbox"/> ANY AUTO						BODILY INJURY (Per person)	\$
	<input type="checkbox"/> ALL OWNED AUTOS	<input type="checkbox"/> SCHEDULED AUTOS					BODILY INJURY (Per accident)	\$
	<input checked="" type="checkbox"/> HIRED AUTOS	<input checked="" type="checkbox"/> NON-OWNED AUTOS					PROPERTY DAMAGE (Per accident)	\$
								\$
C	<input checked="" type="checkbox"/> UMBRELLA LIAB	<input checked="" type="checkbox"/> OCCUR		UMB IS FOLLOWING FORM OF			EACH OCCURRENCE	\$ 5,000,000
	<input type="checkbox"/> EXCESS LIAB	<input type="checkbox"/> CLAIMS-MADE		GL, AUTO AND EPL LIAB			AGGREGATE	\$ 5,000,000
	<input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$	0		AUC967203407	5/25/2015	5/25/2016		\$
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY			0830-38636	1/1/2015	1/1/2016	<input checked="" type="checkbox"/> WC STATUTORY LIMITS	<input type="checkbox"/> OTHER
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	N/A				E.L. EACH ACCIDENT	\$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	\$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

**CERTIFICATE HOLDER****CANCELLATION**

"For Bidding Purposes Only"

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Dirk DeJong/CS

ACORD 25 (2010/05)

INS025 (201005) 01

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# BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000  
VALID OCTOBER 1, 2015 THROUGH SEPTEMBER 30, 2016

DBA:  
Business Name: INFINITY ROOFING AND SHEET METAL  
INC

Receipt #: 185-1498  
Business Type: ROOFING/SHEET METAL CONTRACTOR  
(ROOFING CONTRACTOR)

Owner Name: JOHN B MITALA / QUAL  
Business Location: 1150 SW 10 AVE #201W  
POMPANO BEACH  
Business Phone: 954-917-7107

Business Opened: 09/05/2006  
State/County/Cert/Reg: CCC057467  
Exemption Code:

Rooms                      Seats                      Employees                      Machines                      Professionals  
18

For Vending Business Only						
Number of Machines:			Vending Type:			
Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
54.00	0.00	0.00	0.00	0.00	0.00	54.00

THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS

THIS BECOMES A TAX RECEIPT  
WHEN VALIDATED

This tax is levied for the privilege of doing business within Broward County and is non-regulatory in nature. You must meet all County and/or Municipality planning and zoning requirements. This Business Tax Receipt must be transferred when the business is sold, business name has changed or you have moved the business location. This receipt does not indicate that the business is legal or that it is in compliance with State or local laws and regulations.

**Mailing Address:**

INFINITY ROOFING AND SHEET METAL I  
1150 SW 10 AVE #201W  
POMPANO BEACH, FL 33069

Receipt #52A-14-00006320  
Paid 07/31/2015 54.00

2015 - 2016

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT



**STATE OF FLORIDA  
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**

**CONSTRUCTION INDUSTRY LICENSING BOARD  
1940 NORTH MONROE STREET  
TALLAHASSEE FL 32399-0783**

**(850) 487-1395**

**MITALA, JOHN B  
INFINITY ROOFING AND SHEET METAL INC  
11874 ISLAND LAKES LN.  
BOCA RATON FL 33498**

Congratulations! With this license you become one of the nearly one million Floridians licensed by the Department of Business and Professional Regulation. Our professionals and businesses range from architects to yacht brokers, from boxers to barbeque restaurants, and they keep Florida's economy strong.

Every day we work to improve the way we do business in order to serve you better. For information about our services, please log onto **www.myfloridalicense.com**. There you can find more information about our divisions and the regulations that impact you, subscribe to department newsletters and learn more about the Department's initiatives.

Our mission at the Department is: License Efficiently, Regulate Fairly. We constantly strive to serve you better so that you can serve your customers. Thank you for doing business in Florida, and congratulations on your new license!



**STATE OF FLORIDA  
DEPARTMENT OF BUSINESS AND  
PROFESSIONAL REGULATION**

**CCC057467**

**ISSUED: 05/26/2014**

**CERTIFIED ROOFING CONTRACTOR  
MITALA, JOHN B  
INFINITY ROOFING AND SHEET METAL I**

**IS CERTIFIED under the provisions of Ch.489 FS.  
Expiration date : AUG 31, 2016 L1405260000966**

**DETACH HERE**

**RICK SCOTT, GOVERNOR**

**KEN LAWSON, SECRETARY**

**STATE OF FLORIDA  
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION  
CONSTRUCTION INDUSTRY LICENSING BOARD**

<b>LICENSE NUMBER</b>	
<b>CCC057467</b>	

**The ROOFING CONTRACTOR  
Named below IS CERTIFIED  
Under the provisions of Chapter 489 FS.  
Expiration date: AUG 31, 2016**



**MITALA, JOHN B  
INFINITY ROOFING AND SHEET METAL INC  
1150 SW 10TH AVE  
STE 201W  
POMPAÑO BEACH FL 33069**



**ISSUED: 05/26/2014**

**DISPLAY AS REQUIRED BY LAW**

**SEQ # L1405260000966**



*"Quality You Can Trust Since 1886...From  
North America's Largest Roofing  
Manufacturer"*

*Technical Services  
1 Campus Drive  
Parsippany, NJ 07054  
Phone: 1-800-766-3411*

October 29, 2015

Camilo Marin  
Infinity Roofing & Sheet Metal, Inc.  
1150 SW 10<sup>th</sup> Avenue Suite 201W  
Pompano Beach, FL 33069

Subject: Contractor/System Certification

Project: City of Hollywood, FL  
WTP High Service Building Roof Replacement

Dear Mr. Marin:

Infinity Roofing & Sheet Metal, Inc. of Pompano Beach, FL is a GAF Master Select roofing contractor for asphaltic, single-ply and restoration roofing systems and is eligible to obtain a GAF Diamond Pledge™ (NDL) guarantee for up to 20 years.

GAF specification I-0-2-HGPFR is eligible to receive a 20-year Diamond Pledge™ (NDL) guarantee, provided all current GAF application requirements and guarantee procedures are met.

**I-0-2-HGPFR over Concrete Deck**

**EnergyGuard™ Polyiso Insulation:** Install minimum 1.5" EnergyGuard™ polyiso insulation over the structural concrete deck, as follows:

- Field: Olybond 500™ adhesive fastener in 0.75" ribbons 12" o.c.
- Perimeter: Olybond 500™ adhesive fastener in 0.75" ribbons 6" o.c.
- Corners: Olybond 500™ adhesive fastener in 0.75" ribbons 4" o.c.

**Securock Gypsum Fiber Roof Board:** Install ¼" Securock gypsum fiber roof board over the polyiso insulation, as follows:

- Field: Olybond 500™ adhesive fastener in 0.75" ribbons 12" o.c.
- Perimeter: Olybond 500™ adhesive fastener in 0.75" ribbons 6" o.c.
- Corners: Olybond 500™ adhesive fastener in 0.75" ribbons 4" o.c.

**Ruberoid® SBS HW Smooth:** Install Ruberoid® SBS HW smooth, torch applied and adhered in accordance with GAF application recommendations.

**Ruberoid® HW Plus Granule FR:** Install Ruberoid® SBS HW Plus Granule FR, torch applied and adhered in accordance with GAF application recommendations.

The above listed roof system provides up to 600psf of uplift resistance in the field, perimeters and corners of the roof when installed in accordance with Miami Dade NOA No. 15-0129.20, pages 8 and 9 of 43.

GAF has provided the above fastening pattern solely as a courtesy and recommends that the uplift resistance requirements be verified by a design professional.

If you have any further questions, please contact us at 1-800-766-3411.

Sincerely,

*Jane Lampman*

Jane Lampman  
GAF Technical Services Specialist



*"Quality You Can Trust Since 1886...From  
North America's Largest Roofing  
Manufacturer"*

*Technical Services  
1 Campus Drive  
Parsippany, NJ 07054  
Phone: 1-800-766-3411*

October 29, 2015

Camilo Marin  
Infinity Roofing & Sheet Metal, Inc.  
1150 SW 10<sup>th</sup> Avenue Suite 201W  
Pompano Beach, FL 33069

Subject: Contractor/System Certification

Project: City of Hollywood, FL  
WTP Aeration Building

Dear Mr. Marin:

Infinity Roofing & Sheet Metal, Inc. of Pompano Beach, FL is a GAF Master Select roofing contractor for asphaltic, single-ply and restoration roofing systems and is eligible to obtain a GAF Diamond Pledge™ (NDL) guarantee for up to 20 years.

GAF specification T-FA-N-N-60FB is eligible to receive a 20-year Diamond Pledge™ (NDL) guarantee, provided all current GAF application requirements and guarantee procedures are met.

**T-FA-N-N-60FB over Concrete Deck**

**EverGuard® TPO 60 Fleeceback Membrane:** Install EverGuard® TPO 60 fleeceback membrane using GAF LRF-O bonding adhesive applied in 1" wide beads spaced 6" o.c. The laps are heat welded a minimum 1 1/2" width for automatic machine welding. Weld width shall be a minimum 2" in width for hand welding. The membrane is then rolled with a water filled roller weighing a minimum of 250 lb.

The above listed roof system provides up to 1005psf of uplift resistance in the field, perimeters and corners of the roof when installed in accordance with Miami Dade NOA No. 15-0203.21, page 28 of 31.

GAF has provided the above fastening pattern solely as a courtesy and recommends that the uplift resistance requirements be verified by a design professional.

If you have any further questions, please contact us at 1-800-766-3411.

Sincerely,

*Jane Lampman*

Jane Lampman  
GAF Technical Services Specialist



*"Quality You Can Trust Since 1886...From  
North America's Largest Roofing  
Manufacturer"*

*Technical Services  
1 Campus Drive  
Parsippany, NJ 07054  
Phone: 1-800-766-3411*

---

October 26, 2015

To Whom It May Concern:

**GAF's Quality Assurance Program is based on the principles of ISO 9001:1994, updated to reflect the changes in ISO 9001:2000. Known internally as the Quality Improvement Program, QIP, it has been in force since 1992. QIP contains clearly stated requirements for:**

- Customer Input and Feedback
- Documented Product and Process Specifications
- Change Control, and Document Control
- Incoming Raw Material Testing, to specifications agreed with suppliers
- Process Control
- Inspection and Testing Methods
- Laboratory and Process Equipment Methods and Calibration
- Product Status and Shipping
- Process Capability
- Test Method and Equipment Standardization
- Corrective Action
- Quality Audits
- Training
- Statistical Techniques, including Statistical Process Control.

All GAF's manufacturing locations have active QIP programs and performance goals. Each plant's compliance with system and product quality requirements is established through routine internal audits, conducted by trained internal auditors from GAF Central Quality Assurance. These audits are supported by documented Corrective Action plans to resolve non-conformances, whether in the product or systems areas.

GAF's Quality Improvement Program exceeds the requirements of ISO 9001 in several areas, notably Incoming Raw Material Control and Testing, Process Control and Capability, Test Method and Equipment Standardization, Corrective Action, and Statistical Techniques. All of these areas are essential to providing premier quality products, without the bureaucratic overhead and delays of an ISO 9001 program. GAF has chosen to develop and implement a results-based Quality Improvement System, rather than a document based ISO-style program. We strive to improve the quality of our products and services, a concept missing from ISO 9001:1994.

In addition, GAF complies with the requirements of external standards agencies, notably:

- Underwriters Laboratories (UL),
- Factory Mutual Association (FM),
- International Conference of Building Officials (ICBO),
- Dade County, Florida,
- State of Wisconsin Administrative Code,
- The American Society for Testing and Materials (ASTM)

**Each products complying with specific requirements of any of these organizations is so marked on the product packaging. Many of these organizations audit compliance to their standards through both routine and unannounced visits to GAF plants.**

If you have any further questions please call us at 1-800-ROOF-411. Thank you for choosing GAF.

Sincerely,

*Jane Lampman*

Jane Lampman  
Technical Services Specialist



*"Quality You Can Trust Since 1886...From  
North America's Largest Roofing  
Manufacturer"*

*Technical Services  
1 Campus Drive  
Parsippany, NJ 07054  
Phone: 1-800-766-3411, option 1*

---

November 3rd, 2015

Javier Martinez  
Infinity Roofing & Sheet Metal, Inc.  
1150 SW 10<sup>th</sup> Avenue Suite 201W  
Pompano Beach, FL 33069

Subject: Inspection Schedule

Project: City of Hollywood, FL

Dear Mr. Martinez:

In accordance with information provided, this is to confirm that GAF quality control inspections shall be conducted a minimum of 3 times weekly on the above referenced project.

Sales will conduct two visits each in week 1 and week 2 without a report. The GAF field services representative will conduct the balance of the inspections providing an in progress and final report.

If you have any further questions, please contact us at 1-800-766-3411, option 1.

Sincerely,

*Jane Lampman*

Jane Lampman  
GAF Technical Services Specialist



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](http://www.miamidade.gov/economy)

**GAF**  
1361 Alps Road  
Wayne, NJ 07470

**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: GAF Ruberoid® Modified Bitumen Roof Systems for Concrete 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 and revises NOA No. 13-0409.03 and consists of pages 1 through 43.  
The submitted documentation was reviewed by Jorge L. Acebo.



**NOA No.: 14-0905.01**  
**Expiration Date: 11/06/15**  
**Approval Date: 10/30/14**  
**Page 1 of 43**

## APPROVED ASSEMBLIES:

<b>Membrane Type:</b>	APP & SBS
<b>Deck Type 3I:</b>	Primed Concrete Decks, Insulated
<b>Deck Description:</b>	2500 psi structural concrete or concrete plank
<b>System Type A(1):</b>	<u>Insulation adhered with approved adhesive and membranes adhered to insulation.</u>
<b>Vapor Retarder:</b>	(Optional) One or more plies of GAFGLAS® Ply 4, Tri-Ply® Ply 4, GAFGLAS® FlexPly™ 6, GAFGLAS® #75 Base Sheet, Tri-Ply® #75 Base Sheet, GAFGLAS® Ultima™ #80 Base Sheet or Ruberoid® 20 adhered with hot asphalt applied at 20-25 lbs./sq. to deck primed with ASTM D-41 Asphalt Primer or Matrix™ 307 Premium Asphalt Primer.

All General and System Limitations shall apply.

One or more layers of any of the following insulations.

<b>Base Insulation Layer</b>	<b>Insulation Fasteners (Table 3)</b>	<b>Fastener Density/ft<sup>2</sup></b>
<b><u>EnergyGuard™ Polyiso Insulation, EnergyGuard™ RH Polyiso Insulation Minimum. 1½" thick</u></b>	N/A	N/A

**Note: Base layer shall be adhered with OlyBond® at 1 gal./sq. full coverage, OlyBond 500® or OlyBond 500® Green in ¾" to 1" wide ribbons spaced 12" o.c. 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).**

<b>Top Insulation Layer</b>	<b>Insulation Fasteners (Table 3)</b>	<b>Fastener Density/ft<sup>2</sup></b>
<b><u>DensDeck® Prime Roof Board, Securock Gypsum-Fiber Roof Board Minimum. ¼" thick</u></b>	N/A	N/A

**Note: Apply top layer of insulation with OlyBond® at 1 gal./sq. full coverage, OlyBond 500® or OlyBond 500® Green in ¾" to 1" wide ribbons spaced 12" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as Base Layer only shall be used only as base layers with a second layer of approved Top Insulation Layer installed as the final membrane substrate.**

<b>Anchor Sheet: (Optional)</b>	Two plies of GAFGLAS® #75 Base Sheet, Tri-Ply® #75 Base Sheet or a single ply of GAFGLAS® Ultima™ #80 Base Sheet, Ruberoid® 20, Ruberoid® Mop Smooth, Ruberoid® Mop Smooth 1.5, Ruberoid® Mop Plus Smooth, Ruberoid® Heat-Weld™ 25, Ruberoid® Heat-Weld™ Smooth applied in hot asphalt full mop at 25 lbs./sq.
<b>Base Sheet:</b>	<u>One or more plies of Ruberoid® SBS Heat-Weld™ 25 or Ruberoid® SBS Heat-Weld™ Smooth torch applied.</u> Or One ply of Weather Watch® XT self-adhered to the insulation applied according to manufacturer's applications instructions when used with a torch adhered cap sheet. <b>Note: Weather Watch® XT is not to be used if optional anchor sheet is present.</b>

Ply Sheet:  
(Optional)

One or more plies of Ruberoid® SBS Heat-Weld™ 25 or Ruberoid® SBS Heat-Weld™ Smooth torch applied.

Membrane:

One or more plies Ruberoid® SBS Heat-Weld™ 25, Ruberoid® SBS Heat-Weld™ Smooth, Ruberoid® SBS Heat-Weld™ Granule, Ruberoid® SBS Heat-Weld™ 170 FR, Ruberoid® SBS Heat-Weld™ Plus, Ruberoid® SBS Heat-Weld™ Plus FR or Ruberoid® EnergyCap™ SBS Heat-Weld™ Plus FR, applied in accordance with manufacturer's instructions.

Or

One or more plies of Ruberoid® Torch Smooth, Tri-Ply® TP-4, Ruberoid® Torch Granule, Ruberoid® Torch 180, Tri-Ply® TP-4G, Ruberoid® Torch FR, Ruberoid® EnergyCap™ Torch Granule FR or Ruberoid® EnergyCap™ Torch Plus FR applied in accordance with manufacturer's instructions.

~~Surfacing:~~

~~Optional on granular surfaced membranes; required for smooth membranes. Chosen components must be applied according to manufacturer's application instructions. All coatings must be listed within a current NOA.~~

1. Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of approved asphalt at 60 lbs./sq.
2. GAFGLAS® Mineral Surfaced Cap Sheet, Tri-Ply® Mineral Surfaced Cap Sheet or GAFGLAS® EnergyCap™ BUR Mineral Surfaced Cap Sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
3. Topcoat® Elastomeric Roofing Membrane, Topcoat® MB Plus (to be used as a primer with Topcoat® Elastomeric Roofing Membrane) or Topcoat® Surface Seal SB applied at 1 to 1.5 gal./sq.

Maximum Design

Pressure:

-300 psf. (See General Limitation #9)

## CONCRETE 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 Engineer, Architect, or Registered Roof Consultant.

## GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. Insulation may be installed in multiple layers. The first layer shall be attached in compliance with Product Control Approval guidelines. All other layers shall be adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq., or mechanically attached using the fastening pattern of the top layer
3. All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt, panel size shall be 4' x 4' maximum.
4. An overlay and/or recovery board insulation panel is required on all applications over closed cell foam insulations when the base sheet is fully mopped. If no recovery board is used the base sheet shall be applied using spot mopping with approved asphalt, 12" diameter circles, 24" o.c.; or strip mopped 8" ribbons in three rows, one at each side lap and one down the center of the sheet allowing a continuous area of ventilation. Encircling of the strips is not acceptable. A 6" break shall be placed every 12' in each ribbon to allow cross ventilation. Asphalt application of either system shall be at a minimum rate of 12 lbs./sq.  
**Note: Spot attached systems shall be limited to a maximum design pressure of -45 psf.**
5. Fastener spacing for insulation attachment is based on a Minimum Characteristic Force (F') value of 275 lbf., as tested in compliance with Testing Application Standard TAS 105. If the fastener value, as field-tested, are below 275 lbf. insulation attachment shall not be acceptable.
6. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida Registered Engineer, Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Application Standard RAS 117.
7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117 and/or RAS 137. Calculations prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant **(When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)**
8. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform to Roofing Application Standard RAS 111 and applicable wind load requirements.
9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners). **(When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)**
10. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.

## END OF THIS ACCEPTANCE



NOA No.: 14-0905.01  
Expiration Date: 11/06/15  
Approval Date: 10/30/14  
Page 43 of 43

# EnergyGuard™ PolyISO Sell Sheet (COMGT318)

Updated: 9/13



*Quality You Can Trust...From  
North America's Largest Roofing Manufacturer!™*

***[gaf.com](http://gaf.com)***



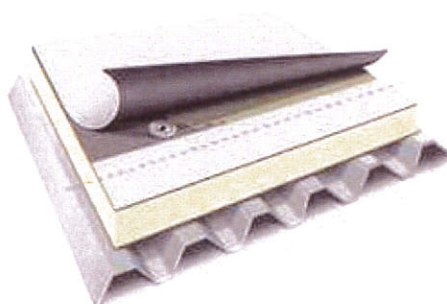
Quality You Can  
Trust...From  
North America's  
Largest Roofing  
Manufacturer!™

# POLYISO INSULATION

Flat Stock and Tapered Boards

[gaf.com](http://gaf.com)

## EnergyGuard™ POLYISO INSULATION



### Description

EnergyGuard™ Polyiso Insulation board is made of glass fiber reinforced cellulosic felt facers bonded to a core of isocyanurate foam. EnergyGuard™ Polyiso Insulation manufactured in our Statesboro, GA & Gainesville, TX plant uses the latest technology in manufacturing to provide a product of the highest quality.

### Features and Benefits

- EnergyGuard™ Polyiso Insulation is designed for use in practically any low-slope roof application including built up roofs, modified bitumen, or most single-ply roofing systems
- High insulation value — Superior "LTTR" value compared to any other FM Class I rated product of equivalent thickness at 5.7 per inch
- Meets the requirements of ASTM C1289 Type II, Class 1, Grade 2 (20 PSI) and available in Grade 3 (25 PSI)
- Because of its light weight, this material is easy to handle on the job site and installs faster. Easier cutting in the field provides the installer with simplified fabricating on the roof deck.

- Manufactured with EPA-compliant blowing agents containing no CFCs or HCFCs; has zero ozone depletion potential (ODP) and virtually no global warming potential (GWP)
- Available in a variety of thicknesses from 0.5" to 4.0" to best suit your needs
- Available in 4'x4' and 4'x8' boards
- Tapered panels are also available for when the roof design requires improved drainage in slopes of 1/16", 3/16", 1/8", 3/8", 1/4", and 1/2"

### EnergyGuard™ Polyiso Insulation and Tapered Polyiso Insulation Codes & Compliance

- FM Approved—consult RoofNav.com for specific assemblies
- UL Classified—consult ul.com for specific assemblies
- For additional information contact GAF Technical Services at 1-800-ROOF-411 or [technicalquestions@gaf.com](mailto:technicalquestions@gaf.com)

TYPICAL PHYSICAL PROPERTY DATA CHART (POLYISO FOAM CORE ONLY)

PROPERTY	TEST METHOD	VALUE
Compressive Strength	ASTM D1621	≥ 20 PSI
Dimensional Stability (Length + Width)	ASTM D2126	< 2%
Water Absorption	ASTM C209	< 1.5%
Moisture Vapor Transmission	ASTM E96	< 1.5 Perm
Service Temperature		-100° to 250°F
Flame Spread Index	ASTM E84	< 75*
Smoke Developed Index	ASTM E84	< 200*

\*Foam Core

## Flat Stock Physical Characteristics and Shipping Information

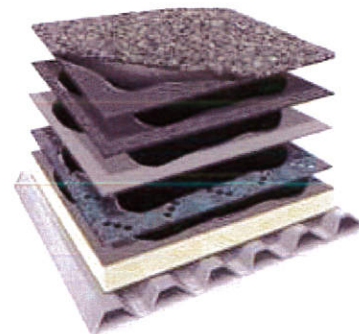
Physical Characteristics			Shipping Information (4'x4')				Shipping Information (4'x8')			
Size*	R-value	Max Flute Span (in)	Bds/Bundle	Bds/Truck	Bundles/Truck	Sq. Ft. Per Truck	Bds/Bundle	Bds/Truck	Bundles/Truck	Sq. Ft. Per Truck
1.0	5.6	2 5/8"	48	2,304	48	36,864	48	1,152	24	36,864
1.1	6.2	2 5/8"	43	2,064	48	33,024	43	1,032	24	33,024
1.2	6.7	2 5/8"	38	1,824	48	29,184	38	912	24	29,184
1.3	7.3	3 5/8"	36	1,728	48	27,648	36	864	24	27,648
1.4	7.9	4 3/8"	34	1,632	48	26,112	34	816	24	26,112
1.5	8.5	4 3/8"	32	1,536	48	24,576	32	768	24	24,576
1.6	9.1	4 3/8"	30	1,440	48	23,040	30	720	24	23,040
1.7	9.6	4 3/8"	28	1,344	48	21,504	28	672	24	21,504
1.8	10.2	4 3/8"	25	1,200	48	19,200	25	600	24	19,200
1.9	10.8	4 3/8"	25	1,200	48	19,200	25	600	24	19,200
2.0	11.4	4 3/8"	24	1,152	48	18,432	24	576	24	18,432
2.1	12.0	4 3/8"	22	1,056	48	16,896	22	528	24	16,896
2.2	12.6	4 3/8"	21	1,008	48	16,128	21	504	24	16,128
2.3	13.2	4 3/8"	20	960	48	15,360	20	480	24	15,360
2.4	13.8	4 3/8"	20	960	48	15,360	20	480	24	15,360
2.5	14.4	4 3/8"	19	912	48	14,592	19	456	24	14,592
2.6	15.0	4 3/8"	18	864	48	13,824	18	432	24	13,824
2.7	15.6	4 3/8"	17	816	48	13,056	17	408	24	13,056
2.8	16.2	4 3/8"	17	816	48	13,056	17	408	24	13,056
2.9	16.8	4 3/8"	16	768	48	12,288	16	384	24	12,288
3.0	17.4	4 3/8"	16	768	48	12,288	16	384	24	12,288
3.1	18.0	4 3/8"	15	720	48	11,520	15	360	24	11,520
3.2	18.6	4 3/8"	15	720	48	11,520	15	360	24	11,520
3.25	18.9	4 3/8"	15	720	48	11,520	15	360	24	11,520
3.3	19.2	4 3/8"	14	672	48	10,752	14	336	24	10,752
3.4	19.9	4 3/8"	14	672	48	10,752	14	336	24	10,752
3.5	20.5	4 3/8"	13	624	48	9,984	13	312	24	9,984
3.6	21.1	4 3/8"	13	624	48	9,984	13	312	24	9,984
3.7	21.7	4 3/8"	12	576	48	9,216	12	288	24	9,216
3.8	22.3	4 3/8"	12	576	48	9,216	12	288	24	9,216
3.9	23.0	4 3/8"	12	576	48	9,216	12	288	24	9,216
4.0	23.6	4 3/8"	12	576	48	9,216	12	288	24	9,216

\*Other sizes available upon request

## Tapered Physical Characteristics and Shipping Information

Physical Characteristics			Shipping Information (4'x4')			
Slope	Thickness	Size*	Bds/Bundle	Bds/Truck	Bundles/Truck	Sq. Ft. Per Truck
1/8"	.5"-1"	AA	64	3,072	48	49,152
	1"-1.5"	A	38	1,824	48	29,184
	1.5"-2"	B	26	1,248	48	19,968
	2"-2.5"	C	20	960	48	15,360
	2.5"-3"	D	16	768	48	12,288
	3"-3.5"	E	14	672	48	10,752
	3.5"-4"	F	12	576	48	9,216
1/4"	.5"-1.5"	X	48	2,304	48	36,864
	1.5"-2.5"	Y	24	1,152	48	18,432
	2.5"-3.5"	Z	16	768	48	12,288
	1"-2"	G	32	1,536	48	24,576
	2"-3"	H	19	912	48	14,592
	3"-4"	I	12	576	48	9,216
1/2"	.5"-2.5"	Q	32	1,536	48	24,576
	1"-3"	XX	22	1,056	48	16,896

\*Other sizes available upon request



For Crickets  $\frac{1}{2}$ " per Ft

## Product Data Sheet EnergyGuard™ Tapered PolyIso Insulation

### Description

EnergyGuard™ Tapered PolyIso Foam Roof Insulation has a thermally efficient polyisocyanurate core bonded between organic/glass facers. It is readily available in the two most popular and efficient tapers, 1/8 inch per foot (1%) and 1/4 inch per foot (2%).

### Advantages

- Properly designed and installed EnergyGuard™ Tapered PolyIso Foam Insulation Systems virtually eliminates ponding water.
- High thermal efficiency.
- Easily installed with mechanical fasteners, hot asphalt or loose laid in a ballasted system.
- Low point and letter codes are designated on each board.
- Engineering design board lay-outs are available from your plans and field verified dimensions.

### Uses

- EnergyGuard™ Tapered PolyIso Foam Roof Insulation is designed for use over structural roof decks to provide slope to drain and to provide thermally efficient insulation.
- When properly installed, it is suitable for use under built-up, modified bitumen and most single-ply roofing systems.
- Refer to the application specifications in the current Membrane Manufacturer's Application and Specifications Manual for proper installation procedures.

### Limitations and Potential Fire Hazard

- EnergyGuard™ Tapered PolyIso Foam Roof Insulation is a non-structural, non-load bearing board. It is not designed for direct traffic usage unless adequately protected.
- EnergyGuard Tapered PolyIso Insulation should be stored dry and be protected from the elements. Once properly loaded at the job site, remove factory wraps and cover with a breathable tarp.
- As an unprotected polyisocyanurate will burn, **fire safety precautions must be observed** wherever any insulation products are used.
- Direct torching of modified bitumen roofing to EnergyGuard™ Tapered PolyIso Foam Roof Insulation will present a **fire hazard**. A properly installed fiber glass base sheet **MUST** be used over the insulation.
- These tapered systems are designed to provide a top surface of slope. Each board is manufactured to exact thickness specifications. GAF cannot be held responsible for field conditions such as actual building dimensions and deck deflection.

### Installation Suggestions for Tapered Systems

Although each tapered system is different, here are some suggested methods for installing a Tapered PolyIso Foam Roof Insulation system efficiently.

1. Verify building dimensions and drain locations with the Tapered Foam Roof Insulation Shop Drawing. Discrepancies should be reported to GAF prior to shipment.
2. Verify that the proper number of truckloads and piece quantities have been received on the job site.
3. Determine the area to be completed that day.
4. Measure the distance from the drain to the perimeter where the shop drawing indicates full 4 feet x 4 feet insulation boards. Verify that the system will meet the drain piece.
5. Start installing the tapered system utilizing full 4 feet x 4 feet boards. Work from the drain and finish the area where the shop drawing indicates field cutting.

6. When more than one layer of insulation is utilized, all vertical board joints should be staggered, preferably by 1/2 board.
7. Cover the insulation with the complete membrane system the same day.

### Code Compliance

- Listed by Underwriters Laboratories for use under Class A, B, or C Roof Covering. See UL, ULC Inc. Building Materials and Systems Directory for details.
- Approved component of *Factory Mutual System Class I, Insulated Steel Deck Construction* when secured to the steel deck with mechanical fasteners (such as DRILL•TEC™ roof insulation fastener system).
- Mechanical attachment of roof insulation is the most dependable method of attachment to steel decks since it minimizes lateral movement and wind blow-off.
- For details, consult *Factory Mutual Loss Prevention Sheet 1-28, 1-29, 1-28R, 1-29R and Approval Guide*.
- Federal Specifications HH-I-1972.

**WARNING: DO NOT EXPOSE TO OPEN FLAME OR EXCESSIVE HEAT. MAY BURN IF IGNITED. IF IGNITED, EXTINGUISH COMPLETELY.**

### Tapered Board Label Designations

1/8" (1%) Slope (Tapered 1/8" to the foot)	
4'x4'	Label
0.5" to 1.0"	AA
1.0" to 1.5"	A
1.5" to 2.0"	B
2.0" to 2.5"	C
2.5" to 3.0"	D
3.0" to 3.5"	E
3.5" to 4.0"	F

1/4" (2%) Slope (Tapered 1/4" to the foot)	
4'x4'	Label
0.5" to 1.5"	X
1.5" to 2.5"	Y
2.5" to 3.5"	Z

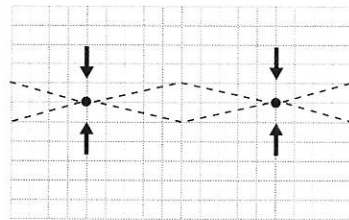
**NOTE: REPAIR ROOF LEAKS PROMPTLY TO AVOID ADVERSE CONDITIONS, INCLUDING MOLD.**

# Product Data Sheet

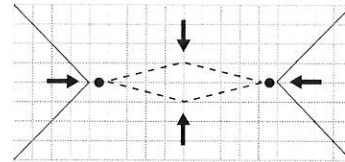
## EnergyGuard™

### Tapered PolyIso Insulation

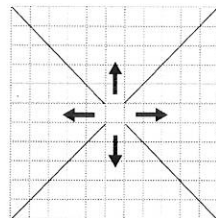
#### Typical Tapered Layouts



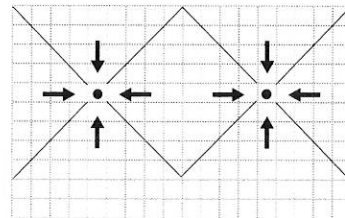
Two Way Tapered System (Crickets Optional)



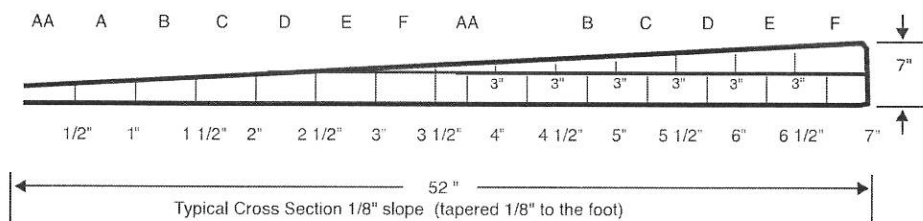
Modified Two Way Tapered System with Constant Edge Thickness (Crickets Optional)



Four Way Tapered System with Perimeter Drain



Four Way Tapered System with Variable Edge Thickness



**Note:** Consult FM Loss Prevention Data Sheets 1-29, 1-49 for specific perimeter and corner fastening details.

Due to ongoing testing programs and changes in FM Global requirements, the number of fasteners and their placement are subject to change without notice.

Consult current FM Approvals Guide and Loss Prevention Data Sheets 1-28, 1-29 and 1-29R for approved fastener density for EnergyGuard Roof Insulations.

# SECUROCK® Data Sheet

Updated: 5/15



*Quality You Can Trust...From  
North America's Largest Roofing Manufacturer!™*



# USG SECUROCK® BRAND

## Gypsum-Fiber Roof Board (1 of 2)

### Description

USG Securock® Brand Gypsum-Fiber Roof Board is a high-performance roof board for use in low-slope roofing systems. Its unique fiber-reinforced, homogenous composition gives the panel strength and water resistance through to the core. USG Securock Gypsum-Fiber Roof Board provides exceptional bond and low absorption in adhered systems, and its homogenous composition achieves high wind-uplift ratings with no risk of facer delamination. Made from 97% pre-consumer recycled materials, USG Securock Gypsum-Fiber Roof Board combines superior performance with sustainable design for all types of roofing systems, including single-ply, fluid-applied, built-up, spray foam, metal, and modified bitumen roofing.

### Advantages

- Exceptional Strength... Engineered to provide superior wind-uplift performance for a wide variety of roof assemblies. USG Securock Gypsum-Fiber Roof Board has uniform composition, providing enhanced bond strength of membrane systems with reduced risk of facer delamination.
- Fire Performance... Provides excellent fire performance and demonstrates exceptional surface-burning characteristics (ASTM E84 [CAN/ULC-S102] Flame Spread 5, Smoke Developed 0).
- Moisture and Mold... Uniform water-resistant core ensures excellent moisture and mold resistance. Scored a maximum "10" for mold resistance on ASTM D3273.
- Versatile... Can be used as a component in single-ply, fluid-applied, built-up, spray foam, metal, and modified bitumen roofing.
- Sustainability... Made from 97% pre-consumer recycled materials and has earned independent certification from Scientific Certification Systems for this achievement.
- Consult roofing manufacturers for specific instructions on the application of their products to USG Securock Gypsum-Fiber Roof Board.
- Weather conditions, dew, application temperature, installation techniques, and moisture drive can have adverse effects on the performance of the roof system and are beyond the control of USG.
- Keep USG Securock Gypsum-Fiber Roof Board panels dry before, during, and after installation. USG Securock Gypsum-Fiber Roof Board should not be installed during rain, heavy fog, or any other condition that deposits moisture on the surface of the board. Apply only as much USG Securock Gypsum-Fiber Roof Board that can be covered by final roof membrane system in the same day. Avoid exposure to moisture from leaks or condensation.
- For reroof or re-cover applications, existing roofing system must be dry throughout prior to application of USG Securock Gypsum-Fiber Roof Board.
- Plastic or poly packaging applied at the plant to protect board during rail or other transit should be removed upon receipt to prevent condensation or trapping of moisture, which may cause application problems.
- USG Securock Gypsum-Fiber Roof Board should be stored flat and off the ground with protection from the weather. If stored outdoors, a breathable waterproof covering should be used.
- When applying solvent-based adhesives or primers, allow sufficient time for the solvent to evaporate to avoid damage to roofing components.
- USG allows the bonding of cold mastic modified bitumen and torching directly to the surface. Consult with the system manufacturer for recommendations on this application.
- USG recommends maximum asphalt application temperature for Type III asphalt of 455°F (235°C) when using USG Securock Gypsum-Fiber Roof Board. Application temperatures above these recommended temperatures may adversely affect roof system performance.

### Limitations

- USG Securock Gypsum-Fiber Roof Board is engineered to perform within a properly designed roof system. The use of USG Securock Gypsum-Fiber Roof Board as a roofing component is the responsibility of the design professional.



The trademarks USG, Securock®, the USG logo, the design elements and colors, and related marks are trademarks of USG Corporation or its affiliates.



# USG SECUROCK® BRAND

## Gypsum-Fiber Roof Board (2 of 2)

### Installation

Refer to roof system manufacturer's written instructions, local code requirements, and Factory Mutual Global (FMG) and/or Underwriters Laboratories (UL) requirements for proper installation techniques.

- Use fasteners specified in accordance with above requirements. Install approved fasteners with plates into the USG Securock® Brand Gypsum-Fiber Roof Board, flush with the surface. Fasteners should be installed in strict compliance with the roof system manufacturer's installation recommendations and FMG Loss Prevention Data Sheet 1-29. Proper fastener spacing is essential to achieve wind-uplift performance.

### Fire Performance

UL Classified as to Surface Burning Characteristics and Non-Combustibility in accordance with ASTM E84 (CAN/ULC-S102).

- Spread 5 and Smoke Developed 0
- 1/4" (6.35 mm), 3/8" (9.53 mm), 1/2" (12.7 mm), and 5/8" (15.9 mm) thickness — Class A in accordance with UL790 (CAN/ULC-S107). See the UL Building Materials Directory for more information.
- 5/8" (15.9 mm) thickness — Meets requirements of Type X per ASTM C1278 and may be used in P series designs as a thermal barrier.

### System Performance

FM Approved

- Complies with requirements of FM 4450 and FM 4470
- Meets FM Class 1

### Standards Compliance

USG Securock Gypsum-Fiber Roof Board is manufactured to conform to ASTM C1278, "Standard Specification for Fiber-Reinforced Gypsum Panel."

	PHYSICAL PROPERTIES			
	1/4" (6.35 mm)	3/8" (9.53 mm)	1/2" (12.7 mm)	5/8" (15.9 mm)
Width, standard	4' (1.21 m)	4' (1.21 m)	4' (1.21 m)	4' (1.21 m)
Length, standard	4' (1.21 m) 8' (2.44 m)	4' (1.21 m) 8' (2.44 m)	4' (1.21 m) 8' (2.44 m)	4' (1.21 m) 8' (2.44 m)
Pieces per unit for 4' x 8' (1.21 m x 2.44 m) sheets	50	40	30	24
Weight, nom. lbs./unit 4' x 8' (1.21 m x 2.44 m) sheets	2,575 (1,168 kg)	2,575 (1,168 kg)	2,725 (1,236 kg)	2,525 (1,145 kg)
Weight, nom. lbs./sq. ft.	1.57 (7.66 kg/m²)	1.96 (9.57 kg/m²)	2.76 (13.47 kg/m²)	3.20 (15.62 kg/m²)
Flexural strength, parallel, lbs. min., per ASTM C473	40 (18.14 kg)	70 (31.75 kg)	110 (50 kg)	161 (73 kg)
Compressive strength, psi nominal	1800	1800	1800	1800
Flute spannability per ASTM E661	2 5/8" (66.7 mm)	5" (127 mm)	8" (203 mm)	10" (254 mm)
Permeance, perms, per ASTM E96	30	26	26	24
R-Value per ASTM C518	0.2	0.3	0.5	0.6
Coefficient of thermal expansion, inches/inch • -6°F/-21.1°C, per ASTM E831	8" x 10" (203 mm x 254 mm)	8" x 10" (203 mm x 254 mm)	8" x 10" (203 mm x 254 mm)	8" x 10" (203 mm x 254 mm)
Linear variation with change in moisture, inches/inch • %RH, per ASTM D1037	8" x 10" (203 mm x 254 mm)	8" x 10" (203 mm x 254 mm)	8" x 10" (203 mm x 254 mm)	8" x 10" (203 mm x 254 mm)
Water absorption, % max, per ASTM C473	10	10	10	10
Surface water absorption, nominal grams, per ASTM C473	1.6	1.6	1.6	1.6
Mold resistance per ASTM D3273*	10	10	10	10
Bending Radius	25' (7.62 m)	25' (7.62 m)	25' (7.62 m)	30' (9.14 m)

\*ASTM D3273 Mold Resistance Testing – In independent lab tests conducted on USG Securock® Brand Gypsum-Fiber Roof Board and Securock Glass-Mat Roof Board at the time of manufacture per ASTM D3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber, both panels scored a 10. The ASTM lab test may not accurately represent the mold performance of building materials in actual use. Given unsuitable project conditions during storage, installation, or after completion, any building material can be overwhelmed by mold. To manage the growth of mold, the best and most cost-effective strategy is to protect building products from water exposure during storage and installation and after completion of the building. This can be accomplished by using good design and construction practices.

# OlyBond 500™ Adhesive Fastener Data Sheet

Updated: 2/10



**Quality You Can Trust Since 1886...  
From North America's Largest Roofing Manufacturer!™**



# OlyBond500™

## ADHESIVE FASTENER

### DESCRIPTION

OlyBond500 is a dual-component polyurethane adhesive used to adhere a variety of board stocks to most roof substrates in both new and re-roof applications. It can also be used to adhere insulation board to insulation board. OlyBond500 is dispensed in a semi-liquid bead that spreads to several inches while rising 3/4 to 1 inch above the substrate. Place the board stock into the adhesive and walk into place. A chemical cure takes place securing the board in approximately 4 to 8 minutes after application, depending on temperature and weather conditions.

PHYSICAL PROPERTY	TEST METHOD	TYPICAL VALUES
Density	ASTM D-1622	3.2 lb./cf
Compressive Strength	ASTM D-1621	38 psi @ 6% deflection
Tensile Strength	ASTM D-1623	35 psi
Water Absorption	ASTM D-2842	5.1%
Closed Cell Content	ASTM D-6226	90% min.
R-Value	ASTM D-518	3.8 /inch (new)
VOC Content	ASTM D-2369	<5 g/L
Weight/Gallon	Part 1 & 2 Component	10.32 lbs. & 8.54 lbs.

### Packaging:

Package Sizes:

- 10 gallon Bag-in-Box sets for use with the PaceCart 2® (5 gal. Part 1; 5 gal. Part 2).
- 1500 ml SpotShot cartridge sets for use in specially designed applicators.

Formulas\* (Part 2 component, 5 gallon Bag-in-Box):

- Winter (40°F – 60°F)
- Regular (60°F – 90°F)
- Summer (90°F +)

\* Part 1 component, 5 gallon Bag-in-Box is required for all applications and is not temperature dependent.

Formulas (1500 ml SpotShot cartridges):

- Regular (40°F +)
- Winter (0°F – 40°F)

### Job Conditions:

- Insure that you have the correct OlyBond500™ formulation (i.e. Regular or Winter) for the surface and ambient temperature.
- On retrofit-recover projects, investigate the existing roofing material to insure adequate attachment of existing system. Identify and remove all wet material prior to the application of the OlyBond500™ adhesive.

- Remove any existing Phenolic Insulation.
- Coordination between trades is essential to avoid unnecessary rooftop traffic.

### Storage & Handling:

- Store in a cool, dry location at temperatures between 55°F and 85°F. Protect from freezing at all times. If properly stored, the shelf life for unopened product is 18 months from the date of manufacture.
- Keep containers closed. Contamination by moisture or basic compounds, such as grout can cause dangerous pressure build-up in a closed container.
- The minimum product temperature before application should be 72°F. The minimum ambient and surface temperatures should be 40°F and rising unless the SpotShot winter formulation is being used.

### Approvals:

OlyBond500™ is approved by most roof system manufacturers and is Factory Mutual, Florida Building Code and Miami Dade approved.

### First Aid:

In case of contact with eyes, immediately flush eyes with running water for at least 15 minutes. Call a physician immediately. In case of contact with skin, wash affected area with soap and water. Remove all contaminated clothing and shoes and clean before re-use. If swallowed, give large amounts of water to dilute. If vomiting occurs, give more water. Call a physician immediately.

### Disposal:

PMDI in Part 1 component may cause pollution. Do not discharge into lakes, streams, ponds or public waters. Spilled material, unused contents and empty containers must be neutralized and disposed of in accordance with local, state and federal regulations.

### Limited Warranty:

When OlyBond500™ adhesive is installed in accordance with these specifications, Olympic Manufacturing Group issues a 10-year limited material warranty on the adhesive. The OlyBond500™ adhesive may also be included in various system warranties issued by the Roofing System Manufacturer; contact the Roofing System Manufacturer directly for more information. To obtain

a Roofing System Warranty, the installer must contact the Roofing System Manufacturer prior to the start of the project to review and determine the adhesion requirements of the substrate and to ascertain the Manufacturer's procedures and requirements for obtaining a system warranty.

### **Composition & Materials:**

OlyBond500™ is a dual-component, reaction cure polyurethane adhesive. The blowing agent is water. OlyBond500™ does not contain HCFC and has low VOCs. OlyBond500™ is available in 10 gallon sets of Part 1 (diisocyanate, 5 gallons), and Part 2 (resin, 5 gallons). OlyBond500™ is also available in 1500 ml OlyBond500™ SpotShot cartridge sets (4 cartridges/case).

### **Compatibility**

Roof Decks and Substrates:

- Structural concrete
- Gypsum
- Cementitious wood fiber plank
- Lightweight insulating concrete
- Steel (22 gauge or thicker with approved cross section)
- Plywood (5/8-inch thick min.)
- Smooth surface BUR
- Smooth and granular surface modified bitumen
- Existing sprayed in place polyurethane foam
- Base sheets
- Most vapor barriers (including asphaltic and fleece-top)

Roof Insulation and Cover Board:

- Expanded Polystyrene
- Polyisocyanurate
- High Density Wood Fiber
- DensDeck®
- Perlite
- Securock®
- Certain Extruded Polystyrene

Any substrate or insulation not listed must be reviewed by OMG. Call 800.633.3800.

**Limitations:** Do NOT use OlyBond500™ adhesive...

- With isocyanurate board stock larger than 4 feet x 4 feet
- When ambient or substrate temperatures are below 40°F unless using SpoyShot formulation.
- SpotShot winter formulation is specifically designed to be applied between 0°F and 40°F.
- During wet weather
- On wet surfaces
- On dirty or grease-laden surfaces
- On any roof deck that shows signs of deterioration or loss of structural integrity
- OlyBond500™ is not recommended for use after the expiration date.

### **Roof Deck Criteria:**

- The building owner or general contractor shall provide a proper substrate. The structure shall be sufficient to withstand normal construction load and live loads.
- Defects in the deck must be documented and reported to the specifier, general contractor, roof cover manufacturer and OMG, Inc. Do not apply OlyBond500™ unless the defects are corrected.
- The roofing contractor must ensure that the existing roof is adequately attached to the building and meets all the requirements for an acceptable surface.
- Acceptable decks are structural concrete, gypsum, cementitious wood fiber plank, lightweight insulating concrete, minimum 22-gauge steel, minimum 5/8-inch plywood.

### **Surface Preparation:**

**General:** All surfaces must be dry and free of any debris, dirt, oil or grease before applying OlyBond500™.

#### **Specific Conditions:**

- **Steel:** The bonding surface of steel decks must be dry and free of debris, dirt, grease and oil. On new steel, the shop coating/mill oil must be removed. The bonding surface must be free of any cleaner before applying OlyBond500™.
- **Existing Smooth Asphaltic Surfaces:** The surface must be dry and free of debris, dirt, grease and oil.
- **Existing Polyurethane Foam:** The surface of the polyurethane roof, including the coating, should be removed with a scarifier (minimum 1/2 inch). The bonding surface should be blown clean before applying OlyBond500™.
- **Metal:** OlyBond500™ has excellent adhesion to clean metal. Prime all non-ferrous metals (aluminum, copper, stainless, etc.) to further increase adhesion. Accepted primers include epoxy, chlorinated rubber, and wash primer.
- **Other:** For other substrates not listed, contact GAF at 1-800-ROOF-411.

### **Insulation:**

Review the roofing insulation plan. Polyisocyanurate insulation boards cannot be larger than 4 feet x 4 feet. Multiple layers of boards should use the staggered joint method of application. Compatible insulation other than polyisocyanurate can be 4 feet x 8 feet maximum size.

## Product Installation: Using PaceCart 2®

- Install Part 1 and Part 2 components following instruction on Bag-in-Box package.
- Open flow valves on the dispenser completely and turn machine on. This allows adhesive to be pumped at a 1:1 ratio through the disposable mix tip and onto the substrate in a semi-liquid state.
- Apply fluid mixture in 3/4 to 1 inch wide wet beads spaced maximum of 12 inches on center that spreads in excess of 2 inches wide while rising 3/4 to 1 inch.
- Lay insulation board into place and walk-in to assure complete adhesion. Curing typically occurs in 4 to 8 minutes depending on temperature and weather conditions.
- Check with roof system manufacturer for project specific spacing requirements.

## Using SpotShot Applicator

- Attach the disposable mix tip to the top of the OlyBond500™ SpotShot tube. Insert the tube into SpotShot dispensing tool and dispense onto the substrate.
- Apply fluid mixture in rows spaced maximum of 12 inches on center that spread to several inches wide while rising 3/4 to 1 inch.
- Lay insulation board into place and walk-in to assure complete adhesion. Curing typically occurs in 4 to 8 minutes depending on temperature and weather conditions.
- Check with roof system manufacturer for project specific spacing requirements.

## Typical Application Rates:

Application rates vary depending on surface roughness and absorption rate of the substrate. Typical coverage rates for OlyBond500™ dispensed through the PaceCart 2® are 10 – 20 squares per 10 gallon Bag-in-Box sets. Typical coverage rates for OlyBond500™ SpotShot dispensed through applicators is 4 – 6 squares per case (4 sets of 1500 ml cartridges). All coverage rates are based on 12 inch on center maximum spacing. See chart below for typical application rates on specific substrates.

APPLICATION RATES (Bag-in-Box dispensed from PaceCart 2®)	TYPICAL COVERAGE Squares/Gallon
Insulation to Concrete	1.7 to 2
Insulation to Insulation	1.7 to 2
Insulation to Smooth BUR	1.5 to 1.7
Insulation to Modified Bitumen	1.5 to 1.7
Insulation to Gypsum	1 to 1.2
Insulation to Lightweight Concrete*	1 to 1.7
Insulation to Wood	1.7 to 2
Insulation to Cementitious Wood Fiber	1 to 1.2
Insulation to Steel	1 to 1.2

\*Coverage rate may vary substantially based on the absorption rate and/or the surface conditions of the LWC.

## Typical Reaction Time Characteristics: 5 Gallon Bag-in-Box Packaging

TEMPERATURE	PART 2 FORMULA	TACK FREE TIME (minutes)	SET UP TIME (minutes)
40°F-60°F	W	3-5	10-12
60°F-90°F	R	3-5	10-12
90°F +	S	3-5	10-12

## 1500 ml SpotShot Cartridges

TEMPERATURE	PART 2 FORMULA	TACK FREE TIME (minutes)	SET UP TIME (minutes)
0°F-40°F	W	3-5	10-12
40°F+	R	3-5	10-12

**Important:** When applying OlyBond500, board stock must be placed into the adhesive shortly after it has reached its maximum rise while it is still wet and tacky and before it reaches its tack free state.

## Availability & Cost:

OlyBond500™ is available throughout the USA. Contact your GAF Sales Representative.

## Precautions:

- **In Case of Fire:** Use water spray, foam or CO2. Firefighters should be equipped with self-contained breathing apparatus and turnout gear for protection against PMDI vapors and toxic decomposition products. Avoid water contamination in closed container or confined areas.
- **Do Not Leave Adhesive Exposed or Unprotected:** Polyurethane foam or isocyanurate foam products may present a serious fire hazard if exposed or unprotected. Each person, firm or corporation engaged in the manufacture, production, application, installation or use of any of these materials should carefully determine whether there is a potential fire hazard associated with such product in a specific usage and utilize all appropriate precautionary and safety measures as outline in local, state and federal regulations. Keep stored containers closed when not in use.



Florida  
Building  
Code



## Manufactured By:

Olympic Manufacturing Group  
153 Bowles Road  
Agawam, MA 01001  
Phone: 1-413-789-0252 or 1-800-633-3800  
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## Distributed By:

GAF Materials Corporation  
1361 Alps Road  
Wayne, NJ 07470  
www.gaf.com



# RUBEROID®

## SBS HEAT-WELD™ SMOOTH

### Description

RUBEROID® SBS HEAT-WELD™ SMOOTH membrane is a tough, resilient modified bitumen membrane manufactured to stringent GAF Materials Corporation specifications. Its core is a strong, resilient, non-woven polyester mat that is coated with flexible, polymer-modified asphalt and is smooth surfaced. Smooth surfaced SBS HEAT-WELD installations must be protected with surfacing.

### Uses

RUBEROID SBS HEAT-WELD SMOOTH is designed for new roofing and recovering applications as well as the construction of flashings. RUBEROID SBS HEAT-WELD SMOOTH is also an ideal product for repairs of built-up roofing membranes or other modified bitumen systems.

### Advantages

- Guarantees are available for up to 20 years.
- Cost effective—the installed cost is less than most single-ply systems on the market today.
- Light weight—installed roof designs weigh less than 2 pounds per square foot.

### Advantages (Continued)

- Durable—specially formulated modified asphalt gives lasting performance.
- Resilient polyester mat core allows it to resist splits and tears due to its pliability and elongation characteristics.
- RUBEROID SBS HEAT-WELD SMOOTH membrane is backed by GAF Materials Corporation, a company with over 100 years in the roofing business.

### Applicable Standards

Meets ASTM D6164, Type I, Grade S  
FM Approved  
Meets CGSB-37-GP-56M  
ICC ESR#1274  
Miami-Dade County Product Control Approval  
State of Florida Product Approval  
UL/ULC Listed

### Products Specifications (nominal)

Roll Size	1 square (107.7 gross sq.ft.) (10.0m²)
Roll Length	32.6' (9.9m)
Roll Width	39.625" (1006.5mm)
Approx. Roll Weight	104 lbs (47.2kg)
Product Thickness	0.165" (4.2mm)

This product meets or exceeds the following ASTM D6164, Type I, Grade S, minimum requirements:

Property	Test Method	Value
Tensile Strength @ 0°F (min), lbf/in	ASTM D5147	70
Elongation @ 0°F (min), %	ASTM D5147	20
Low Temperature Flexibility (max), °F	ASTM D5147	0
Tear Strength (min), lbf	ASTM D5147	55
Dimensional Stability, (max)%	ASTM D5147	1





# RUBEROID®

## SBS HEAT-WELD™ PLUS FR

### Description

RUBEROID® SBS HEAT-WELD™ PLUS FR is a premium, heavy duty fire-retarding SBS modified bitumen membrane that can be installed without the use of hot asphalt. Its core is a strong, resilient, non-woven polyester mat that is coated with an inherently fire retardant polymer modified asphalt and surfaced with mineral granules.

### Uses

RUBEROID® SBS HEAT-WELD™ PLUS FR is designed for new roofing and recovering applications as well as the construction of flashings. RUBEROID® SBS HEAT-WELD™ PLUS FR is also an ideal product for repairs of built-up roofing membranes or other modified bitumen systems.

### Advantages

- System guarantees are available for up to 20 years.
- Lightweight—installed roof designs weigh less than 2 pounds per square foot.
- Durable—specially formulated modified asphalt gives RUBEROID® SBS HEAT-WELD™ PLUS FR lasting performance.
- Specially formulated poly burn-off film allows for easy installation
- Heat welding allows for kettle free operation.

### Advantages (Continued)

- Resilient—RUBEROID® SBS HEAT-WELD™ PLUS FR premium polyester mat core allows it to resist splits and tears due to its pliability and elongation characteristics.
- RUBEROID® SBS HEAT-WELD™ PLUS FR membrane is backed by GAF Materials Corporation, a company with over 100 years in the roofing business.
- No coatings required for Class A ratings from UL and FMRC.
- Available with granular surface: black, white.

### Applicable Standards

Meets ASTM D6164, Types I & II, Grade G

FM Approved

Meets CGSB-37-GP-56M

ICC ESR#1274

Miami-Dade County Product Control Approval

State of Florida Product Approval

UL/ULc Listed

### Products Specifications (nominal)

Roll Size	1 square (107.7 gross sq.ft.) (10.0m²)
Roll Length	32.6' (9.9m)
Roll Width	39.625" (1.0m)
Approx. Roll Weight	105 lbs (47.6kg)
Product Thickness	0.165" (4.19mm)

This product meets or exceeds the following ASTM D6164, Types I & II, Grade G, minimum requirements:

Property	Test Method	Value
Tensile Strength @ 0°F (min), lbf/in	ASTM D5147	100
Elongation @ 0°F (min), %	ASTM D5147	20
Low Temperature Flexibility (max), °F	ASTM D5147	0
Tear Strength (min), lbf	ASTM D5147	70
Dimensional Stability, (max) %	ASTM D5147	1





Promotes  
Excellent  
Bond  
For Asphalt  
Roof  
Systems

TOPCOAT®

MATRIX™ 307

PREMIUM ASPHALT PRIMER (1 OF 2)

#### Description

MATRIX™ 307 Premium Asphalt Primer is a general purpose, asbestos-free foundation coating for all types of asphalt-based roofing materials, e.g., hot-mopped or cold-applied asphalt coatings, roof cements, and asphalt-based roof and flooring adhesives. MATRIX™ 307 has an excellent penetration rate that promotes a tough bond for coating and adhesives; strength and flexibility to accommodate temperature-related expansion and contraction of the roof system.

- Excellent penetration rate—promotes a tough, weather-resistant bond for coating and adhesives
- Strength and flexibility—accommodates temperature-related expansion and contraction of the roof system
- Easy Application—sprayer, brush or roller; maintains excellent low temperature flexibility

#### Uses

MATRIX™ 307 Premium Asphalt Primer has an excellent penetration rate that promotes a tough, weather-resistant foundation coating for:

- Concrete and masonry roofs, walls, or floors prior to the use of asphalt cutback adhesives
- Metal edging and flashing, asphalt, or weathered composition roofing prior to the application of hot-mopped or cold-applied built-up roofing materials
- Undercoating for LeakBuster™ Aluminum Roof Coatings or Asphalt Roof Coatings and Emulsions
- Gypsum surfaces

#### Approvals & Certification

MATRIX™ 307 Premium Asphalt Primer is listed and approved by the following agencies or code bodies: Underwriters Laboratories (UL), Factory Mutual (FM). Meets or exceeds the requirements of ASTM D41 Type 1 Asphalt Primer Used in Roofing, Damp Roofing, and Waterproofing. Approvals may vary by region. Be sure to review pail labels before purchase.

#### Surface Preparation

All surfaces to be primed must be clean, dry, and free from any foreign matter, such as oil, grease, dirt, or debris that could inhibit the bonding capabilities of the primer. Sweep (or wire brush metal surfaces) and remove oil, grease, dirt, or other foreign material that could inhibit bonding. On existing roofs, inspect roof deck condition; moisture in old roof may indicate need for roof repair. Contact GAF Contractor Services for details on cutting out and repairing blisters, buckles, and

raised edges for a smooth surface. Check all flashings, edges, drains, valleys, and vents and repair as needed. Use MATRIX™ 203 Plastic Roof Cement for repairs and follow can instructions.

#### Application

**Application Rate:** Typical application rate is 1/2 gallon per square; varies with texture of surface to be primed. Drying time is 4 - 8 hours between coats.

**Material Preparation:** Stir well before application.

**Application Method:** Apply primer with a roller, brush, or sprayer, covering the surface at an even 1/5 gallons per 100 square feet.

**Spray:** A Graco 45:1 pump or equivalent is recommended. Consult equipment manufacturer for optimum psi, spray tip size, length of hose, and number of spray guns to achieve uniform coat.

**Brush:** Apply smooth, even coat, using parallel strokes for uniform coat. If first coat is completely absorbed, apply a second coat.

**Roller:** Apply smooth, heavy coat, using parallel strokes for uniform coat.

#### Precautions

**Compatibility & Limitations:** Do not use on wet or damp surfaces or on surfaces previously covered with coal tar products. On concrete decks, previous use of wax/resin curing compound may inhibit bonding.

**Temperature Range:** Apply only when temperatures are 45°F (7.2°C) and rising. Cold weather will cause product to stiffen, making application difficult. Store 24 hours at room temperature prior to application. Do not heat container or attempt to thin this product. Not recommended for application on substrates that exceed 140°F (60°C).

#### Storage/Handling & FIRE WARNING:

MATRIX™ 307 Premium Asphalt Primer is COMBUSTIBLE and should always be kept away from heat, open flame, and any source of ignition. Observe normal safeguards for storing and handling of this product prior to and during application. Do not allow primer to freeze.

**Important:** Repair leaks promptly to avoid adverse effects, including, but not limited to, mold growth.



#### CODE APPROVALS



Cements and coatings for roofing systems as to external fire exposure.

#### Product Specifications (nominal)

Weight	7.4 lbs (3.36 kg) per gallon
VOC (max)	350 grams/liter
Non-volatile content	85% by weight minimum
Sizes	3 gal/11.4 L or 5 gal/18.9 L or 55 gallon/208.2 L



TOPCOAT®

MATRIX™ **307**

PREMIUM ASPHALT PRIMER (2 OF 2)

Promotes  
Excellent  
Bond  
For Asphalt  
Roof  
Systems

#### Clean Up

Keep containers covered when not in use. Clean equipment and over spray with kerosene, mineral spirits, or petroleum naphtha. Clean hands with waterless hand cleaner.

#### Caution

MATRIX™ 307 Premium Asphalt Primer contains petroleum distillate. Do not thin.

**Ventilation** – use with adequate ventilation and close containers when not in use. If TLV (Threshold Limit Value) is exceeded, respirators are required (NIOSH/OSHA). Inhalation of high vapor concentration may result in headaches and/or dizziness. Remove individual to fresh air and administer oxygen if breathing is difficult. If breathing has stopped administer artificial respiration, keep victim warm, and order emergency medical attention immediately.

**Eye Contact** – Rinse immediately with water for 15 minutes and seek medical advice.

**Personal Protection** – Irritation may result from prolonged or repeated contact with skin. Wear chemical-resistant gloves, protective goggles, and protective clothing, if needed.

**Fire Protection** – MATRIX™ 307 Premium Asphalt Primer is COMBUSTIBLE and should always be kept away from heat, open flame, and any source of ignition.

**Waste Disposal** – Empty containers must be disposed of in an approved landfill in accordance with local, state, and federal regulations.

DATA REPORTED ARE BASED ON AVAILABLE INDEPENDENT AND IN-HOUSE RESOURCES. GAF RESERVES THE RIGHT TO CHANGE OR MODIFY, AT ITS DISCRETION AND WITHOUT PRIOR NOTICE, ANY OF THE INFORMATION, REQUIREMENTS, SPECIFICATIONS, OR POLICIES CONTAINED IN THIS DOCUMENT.

#### Limited Warranty

GAF warrants that at the time of delivery, the product contained herein shall conform to GAF's specifications therefor. THIS GAF WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. It is purchaser's sole responsibility to determine suitability of this product for any particular application. Recommendations made by GAF are believed to be reliable but GAF makes NO WARRANTY OF RESULT to be obtained. Purchaser's sole and exclusive remedy, regardless of the theory on which a claim may be based (including, without limitations, negligence, contract, breach of warranty, strict product liability, or misrepresentation) is the replacement of this product or in alternative, the original purchase price of this product. In NO event shall GAF be liable for INCIDENTAL, CONSEQUENTIAL, SPECIAL, INDIRECT, OR PUNITIVE DAMAGES. Purchaser must notify GAF, in writing, of any claims at 1361 Alps Road, Building 11, Wayne NJ, 07470; Attention Guarantee Services Dept. within 30 days of discovery of any alleged manufacturing defect. Purchaser must allow GAF to inspect this product as installed as part of the claims procedure, or, at GAF's option, must provide GAF with sample cuts taken from the roof. No agent or employee of GAF or anyone else is authorized to modify the terms of this limited warranty.

#### For Application Questions

Contact GAF Contractor Services at 1-800-766-3411 or visit [www.gaf.com](http://www.gaf.com).



Superior  
Bonding  
For  
Maximum  
Flexibility  
& Hold

# TOPCOAT® MATRIX™ 201 PREMIUM SBS FLASHING CEMENT (1 OF 2)

## Description

MATRIX™ 201 Premium SBS Flashing Cement is a premium, asbestos-free formulation for use as a cold-applied bonding agent in SBS modified asphalt roof systems. The high level of modifiers ensures high bonding strength. Heavy, "trowel-grade" consistency makes this product ideal for flashing details, attachment of membrane to steep slopes and parapet walls and a variety of roofing and waterproofing repairs, especially at moving joints where its flexibility and elasticity make it superior to standard plastic cements.

- Superior bonding strength and high flexibility to accommodate temperature-related expansion and contraction of the roof system
- Exclusive SURE GRIP™ Technology with superior bonding strength and high flexibility
- Heavy, "trowel-grade" consistency makes this product ideal for flashing details, attachment of membrane to steep slopes and parapet walls and a variety of roofing and waterproofing repairs, especially at moving joints where its flexibility and elasticity make it superior to standard plastic cements
- Easy Application...smooth, "trowel-grade" cement maintains excellent low temperature flexibility

## Uses

MATRIX™ 201 Premium SBS Flashing Cement heavy, "trowel-grade" consistency outperforms standard plastic cements for:

- Sealing end laps and perimeter edges of SBS modified bitumen membranes
- Sealing metal-edge flashing, gutter seams, air conditioning ducts, etc.
- Repairing splits, breaks and holes in roofing and flashing
- For attaching flashing to parapet walls, curbs and roof projections
- Along joints of metal roof panels, metal edging, gutters, coping caps and air-conditioning ducts
- At pipes and projections through below-grade damp proofing membranes, sealing shingles, repairing asphalt built-up, metal, and masonry roofs

## Approvals & Certification

MATRIX™ 201 Premium SBS Flashing Cement is listed and approved by the following agencies or code bodies: Meets or exceeds the requirements of ASTM D-4586 Asphalt Roof Cement Asbestos-free, Type I and ASTM D-3409 Asphalt Roof Cement for Damp, Wet or Underwater Surfaces. Approvals may vary by region. Be sure to review pail labels before purchase.



CODE APPROVALS

MIAMI-DADE COUNTY  
APPROVED

## Surface Preparation

All surfaces must be clean, dry and free from any foreign matter, such as oil, grease, dirt or debris that could inhibit the bonding capabilities of the cement. On existing roofs, inspect roof deck condition; moisture in old roof may require complete removal of existing roof. Check local building codes; local building codes may require complete removal of existing roof. Contact GAF Contractor Services for details on cutting out and repairing blisters, buckles and raised edges for a smooth surface. Check all flashings, edges, drains, valleys and vents and repair as needed.

## Application

**Application Rate:** Typical application rate when embedding polyester, glass or asphalt coated cotton fabric is 8 gallons per square for a 1/8" coat. Use 4 gallon per square for a 1/16" coat.

**Application Method:** Use a 1/4" notched trowel or squeegee to apply cement evenly to substrate only without gaps, dry areas or bubbles.

**Attachment: Membrane Flashing:** No cure time before attaching flashing; simply press into place with even pressure, smoothing out wrinkles and bubbles. Apply cement at 1 to 2 gallons per square to substrate only (more cement may be needed on rough or porous substrates). Adhere membrane to cemented substrate and press into place working out any wrinkles or non-adhered areas, making sure a sufficient amount of cement is applied to the laps so that a bead of cement is visible at all lap edges. Mechanically fasten membrane flashing on parapet walls to avoid membrane slippage.

**Coursing:** Apply cement to surface and install glass, polyester fabric or asphalt-coated cotton fabric into cement, repeat method for desired courses. When finished, coat with another layer of cement.

**Metal:** All metal should be primed. Set metal flanges into a full bead of 1/8" thick cement. Apply cement between joints and apply pressure so that a bead of cement is visible at joint edge.

**Sealing/Repairs:** Apply cement at a 1/8" to 1/4" thickness, working the cement into the opening or crack and spread beyond repair area approximately 2"-4". If repair area is over 1/4" wide or more than 2" long, embed glass or polyester fabric into the cement for added reinforcement then cover with additional cement extended 2"-4" beyond the fabric repair. If desired, repeat procedure for coursing application and feather each layer of fabric beyond the underlying layer.

## Product Specifications (nominal)

Weight	9.1 lbs (4.1 kg) per gallon
VOC (max)	<250 grams/liter
Non-volatile content	65% minimum
SETA Flash Point	110°F
Sizes	11 oz/325 ml tubes or 5 gal/18.9 L



TOPCOAT®  
**MATRIX™ 201**  
PREMIUM SBS FLASHING CEMENT (2 OF 2)

Superior  
Bonding  
For  
Maximum  
Flexibility  
& Hold

#### Precautions

**Compatibility & Limitations:** Do not use with any APP modified products. Do not use on wet or damp surfaces, directly over wood or on surfaces previously covered with coal tar products. Do not install over or under polystyrene insulation. **NOTE:** MATRIX™ 201 Premium SBS Flashing Cement should not be used with any APP modified or any modified bitumen membranes that have a plastic film surface or are metal foil faced. Do not use with burn off film membranes.

**Temperature Range:** Apply only when temperatures are 45°F (7.2°C) and rising. Cold weather will cause product to stiffen, making application difficult. Store 24 hours at room temperature prior to application. Do not heat container or attempt to thin this product. Do not apply on substrates that exceed 140°F (60°C).

#### Storage/Handling & FIRE WARNING:

MATRIX™ 201 Premium SBS Flashing Cement is COMBUSTIBLE and should always be kept away from heat, open flame and any source of ignition. Observe normal safeguards for storing and handling of this product prior to and during application. Do not allow adhesive to freeze.

**Important:** Repair leaks promptly to avoid adverse effects, including, but not limited to, mold growth.

#### Clean Up

Keep containers covered when not in use. Clean equipment and over spray with kerosene, mineral spirits or petroleum naphtha. Clean hands with waterless hand cleaner.

#### Caution

MATRIX™ 201 Premium SBS Flashing Cement contains petroleum distillate.

**Ventilation** – use with adequate ventilation and close containers when not in use. If TLV (Threshold Limit Value) is exceeded, respirators are required (NIOSH/MSHA). Inhalation of high vapor concentration may result in headaches and/or dizziness. Remove individual to fresh air and administer oxygen if breathing is difficult. If breathing has stopped, administer artificial respiration, keep victim warm and order emergency medical attention immediately.

**Eye Contact** – Rinse immediately with water for 15 minutes and seek medical advice.

**Personal Protection** – Irritation may result from prolonged or repeated contact with skin. Wear chemical resistant gloves, protective goggles and protective clothing, if needed.

**Fire Protection** – MATRIX™ 201 Premium SBS Flashing Cement is COMBUSTIBLE and should always be kept away from heat, open flame and any source of ignition.

**Waste Disposal** – Empty containers must be disposed of in an approved landfill in accordance with local, state and federal regulations.

DATA REPORTED ARE BASED ON AVAILABLE INDEPENDENT AND IN-HOUSE RESOURCES. GAF RESERVES THE RIGHT TO CHANGE OR MODIFY, AT ITS DISCRETION AND WITHOUT PRIOR NOTICE, ANY OF THE INFORMATION, REQUIREMENTS, SPECIFICATIONS OR POLICIES CONTAINED IN THIS DOCUMENT.

#### Limited Warranty

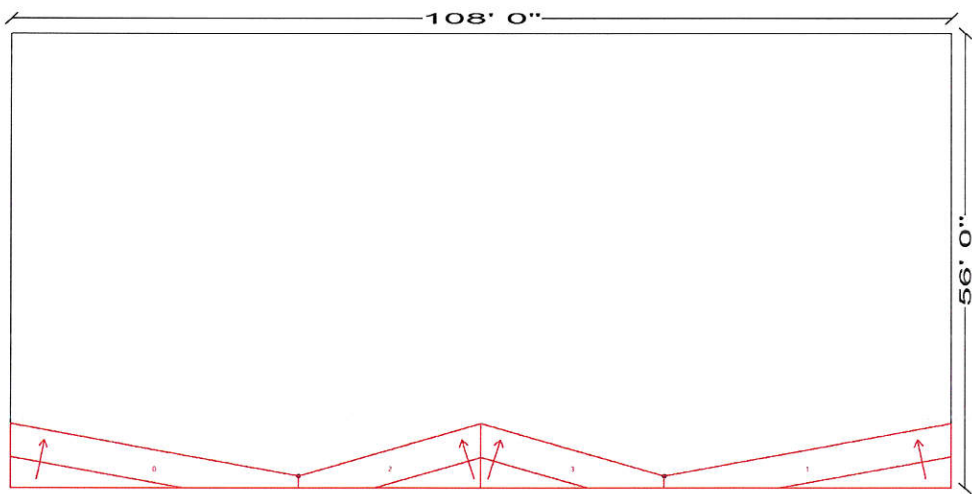
GAF warrants that at the time of delivery, the product contained herein shall conform to GAF's specifications therefor. THIS GAF WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. It is purchaser's sole responsibility to determine suitability of this product for any particular application. Recommendations made by GAF are believed to be reliable but GAF makes NO WARRANTY OF RESULT to be obtained. Purchaser's sole and exclusive remedy, regardless of the theory on which a claim may be based (including, without limitations, negligence, contract, breach of warranty, strict product liability or misrepresentation) is the replacement of this product or in alternative, the original purchase price of this product. In NO event shall GAF be liable for INCIDENTAL, CONSEQUENTIAL, SPECIAL, INDIRECT OR PUNITIVE DAMAGES. Purchaser must notify GAF, in writing of any claims at 1361 Alps Road, Building 11, Wayne NJ, 07470; Attention Guarantee Services Dept. within 30 days of discovery of any alleged manufacturing defect. Purchaser must allow GAF to inspect this product as installed as part of the claims procedure, or, at GAF's option, must provide GAF, with sample cuts taken from the roof. No agent or employee of GAF or anyone else is authorized to modify the terms of this limited warranty.

# Infinity Roofing & Sheet Metal Inc

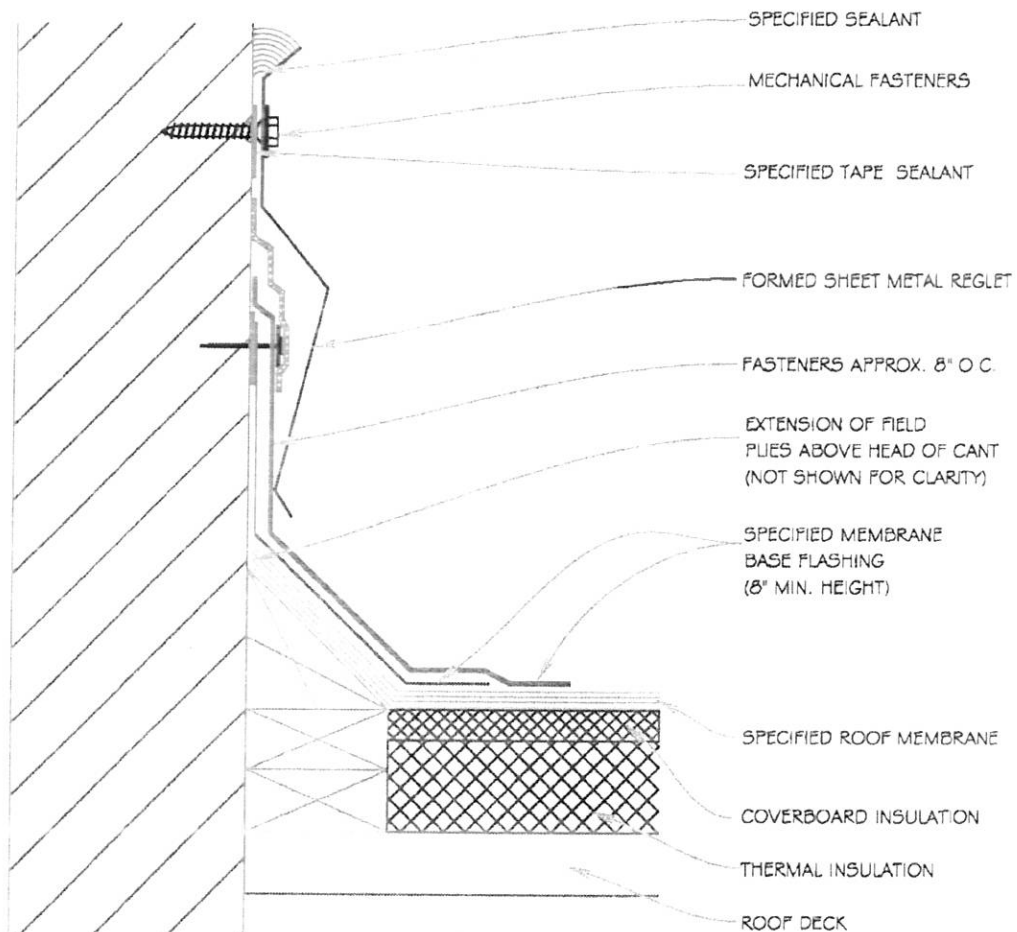
City of Hollywood - WTP High Service Building

Tapered System Description:

Material:	N/A	Cricket Material:	Polyiso-20 PSI
Tapered Area (sq):	0	Cricket Area (sq):	5.13
Slope:	N/A	Cricket Slope:	1/2"
Minimum Start:	.5"	Cricket Fill:	2.0" Polyiso-20 PSI
Maximum Thick:	4.42"		
Fill Insulation:	N/A		
		Total Sqs. Applied:	6.73
		Total Sqs. Material:	9.28



# Infinity Roofing & Sheet Metal Inc



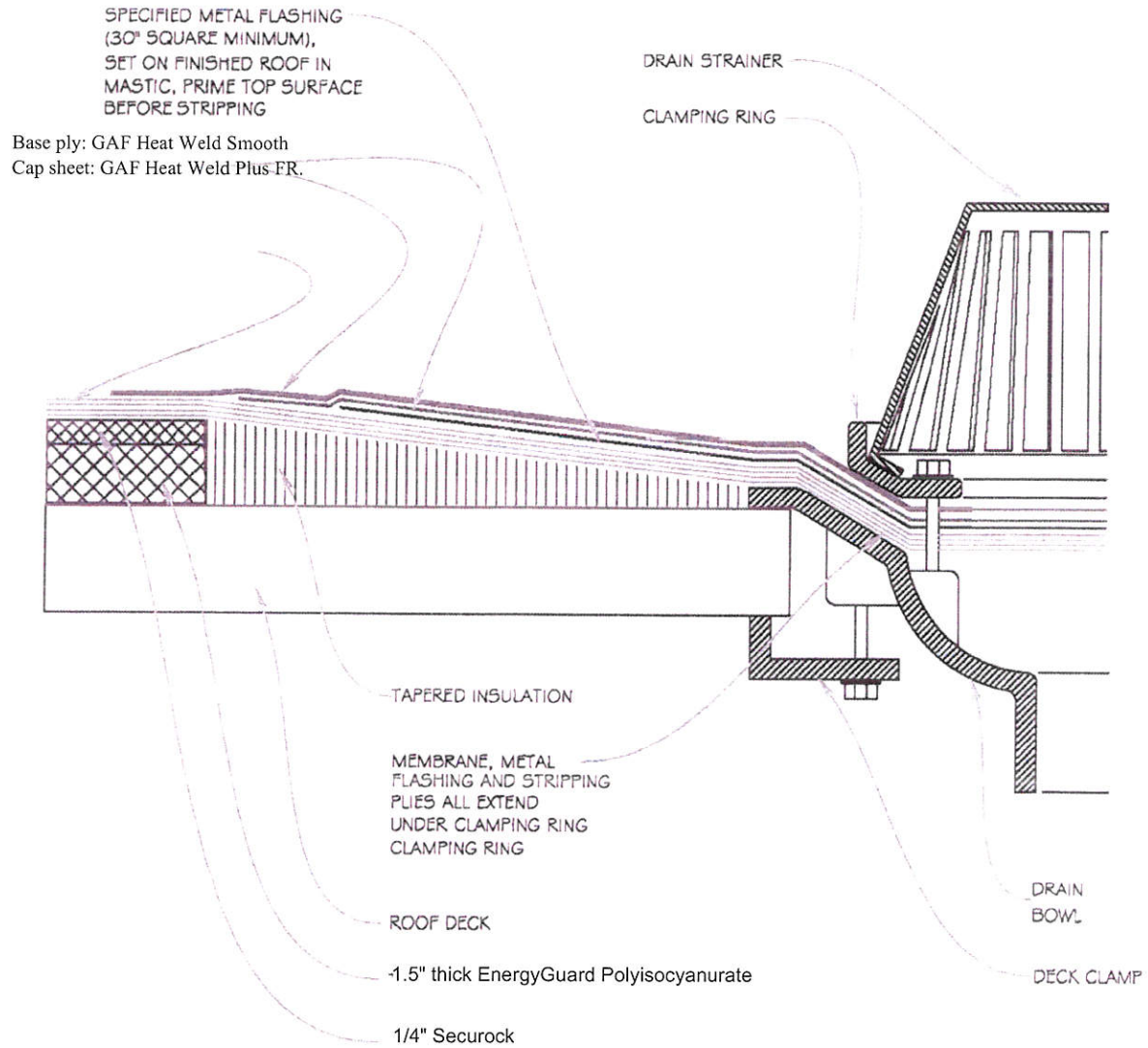
Thermal insulation: 1.5" thick GAF EnergyGuard Polyisocyanurate  
Coverboard insulation: 1/4" thick Securock.  
Specified Base Membrane: GAF Heat Weld Smooth.  
Specified Cap Sheet Membrane: GAF Heat Weld Plus FR.  
Formed Sheet Metal Reglet: 050" aluminum mill finish counter flashing.  
Specified Sealant: NP1 Caulking.

NOTES:

1. DO NOT OBSTRUCT WEEP HOLES WITH TOOLED SEALANT  
2. BLOCKING FASTENERS NOT SHOWN FOR CLARITY.

PROJECT :		City of Hollywood Water Treatment Plant Hollywood, FL
DETAIL:	BASE FLASHING FOR WALL SUPPORTED DECK WITH SURFACE MOUNTED REGLET	BMS-05 07/10 NTS

# Infinity Roofing & Sheet Metal Inc



## NOTE:

1. DO NOT APPLY COAL TAR OR DEAD LEVEL ASPHALT INTO DRAIN SUMP. INSTALL METAL GRAVEL STOPS.
2. DO NOT USE MODIFIED COAL TAR ON SLOPES THAT EXCEED 1/2" PER FOOT.
3. DO NOT USE TYPE I TAR WITH POLYESTER OR TARRED GLASS FELTS ON SLOPES THAT EXCEED 1/4" PER FOOT, OR WITH TARRED ORGANIC FELTS ON SLOPES THAT EXCEED 1/2" PER FOOT.

## PROJECT :

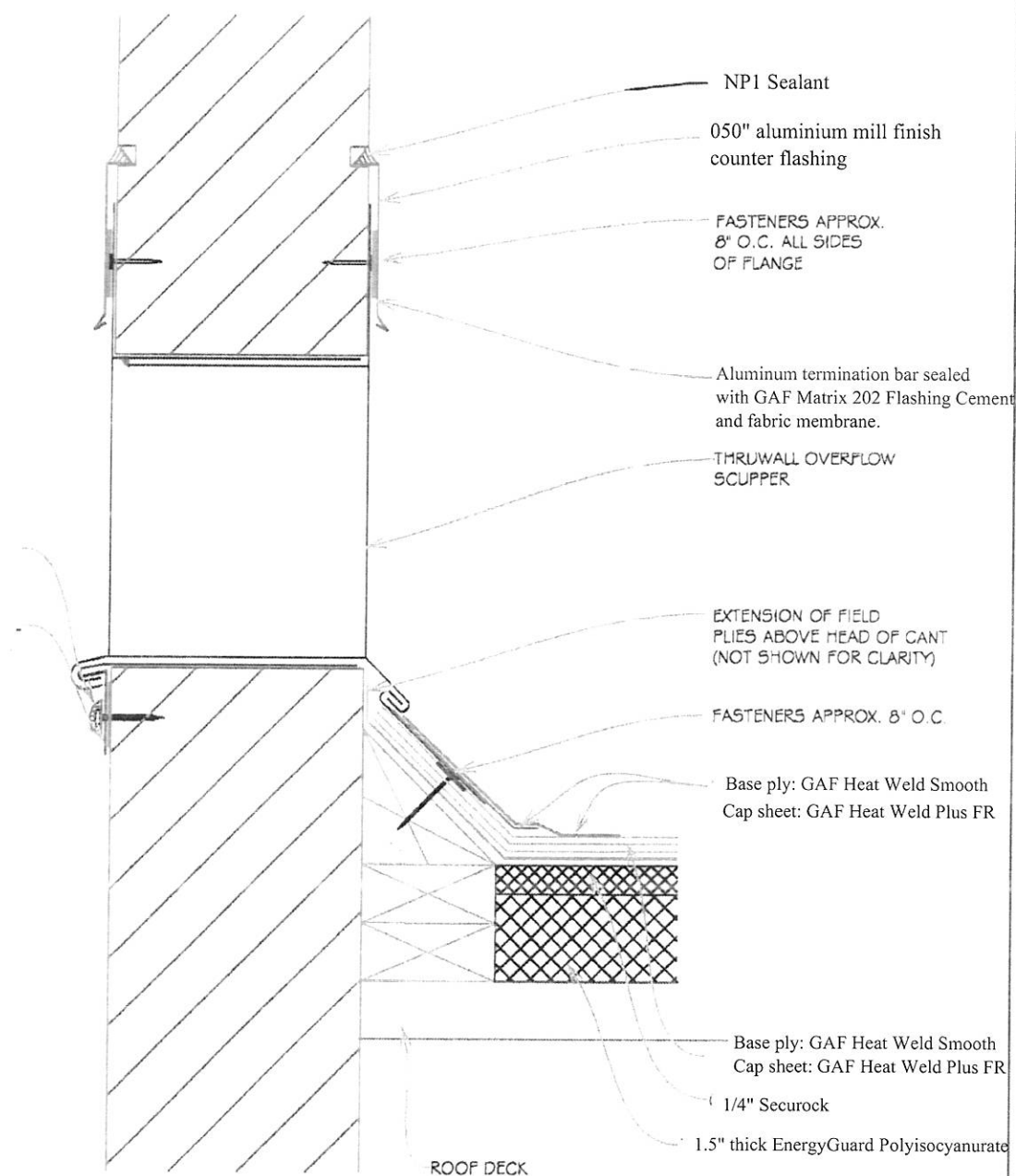
City of Hollywood  
Water Treatment Plant  
Hollywood, FL

## DETAIL:

ROOF DRAIN

BMS-23C  
03/12  
NTS

# Infinity Roofing & Sheet Metal Inc



## NOTES:

1. WOOD BLOCKING SHOULD BE SLOTTED FOR VENTING OF WET-FILL DECKS WHERE APPLICABLE.
2. HEIGHT OF SCUPPER ABOVE ROOF VARIES PER LOCAL BUILDING CODE

PROJECT :	City of Hollywood Water Treatment Plant Hollywood, FL	
DETAIL:  THRU WALL OVERFLOW SCUPPER AT WALL SUPPORTED DECK	BMS-26B 03/12 NTS	



## DIAMOND PLEDGE™ ROOF GUARANTEE



No. \_\_\_\_\_

OWNER: \_\_\_\_\_ PERIOD OF COVERAGE: \_\_\_\_\_ YEARS

NAME AND TYPE OF BUILDING: \_\_\_\_\_

ADDRESS OF BUILDING: \_\_\_\_\_

SPECIFICATION: \_\_\_\_\_ AREA OF ROOF: \_\_\_\_\_ SQUARES

TYPE OF FLASHING: \_\_\_\_\_ LENGTH OF FLASHING: \_\_\_\_\_ LINEAL FEET

APPLIED BY: \_\_\_\_\_

DATE OF COMPLETION: \_\_\_\_\_ EXPIRATION DATE: \_\_\_\_\_

### THE GUARANTEE

GAF MATERIALS CORPORATION ("GAFMC") guarantees to you, the original owner of the building described above, that GAFMC will repair leaks through the GAFMC roofing membrane, liquid applied TOPCOAT® membrane or coating, base flashing, high wall waterproofing flashing, insulation, expansion joint covers and preflashed accessories (the "GAFMC Roofing Materials") resulting from the causes listed below while this guarantee is in effect.

#### Scope Of Coverage - Leaks Caused by:

1. Natural deterioration of the GAFMC Roofing Materials
2. Blisters
3. Bare Spots
4. Fish-mouths
5. Ridges
6. Splits not caused by structural failure or movement of or cracks in substrate roof base or non-GAFMC insulation over which the GAFMC Roofing Materials are applied
7. Buckles and wrinkles
8. Workmanship in applying the GAFMC Roofing Materials
9. Slippage of membrane or base flashing

There is no dollar limit on covered repairs. Leaks caused by any materials other than those listed above, such as the roof deck, non-GAFMC insulation, or any other materials used in the construction of the roof system, are not covered.

### GUARANTEE PERIOD

This guarantee ends as of the date listed above. Note: Some systems require the use of specialized accessories in the roofing system. Where Lexsuco or uncoated Mcurb flashings are used, they are covered by this guarantee **only** for the first ten years.

### ELIMINATOR™ ADVANTAGE

In addition to the repair of leaks as detailed above, if a Stratavent™ Eliminator™ perforated venting base sheet is installed directly over isocyanurate insulation, GAFMC will also make repairs to eliminate blisters that occur between the Stratavent® Eliminator™ perforated venting base sheet and the isocyanurate insulation even if these blisters do not result in leaks.

### OWNER'S RESPONSIBILITIES

In the event of a leak through the GAFMC Roofing Materials, you must notify the GAFMC Guarantee Services, 1361 Alps Road, Bldg. 11-1, Wayne, New Jersey 07470 in writing about the leak within 30 days after its discovery or GAFMC will have no responsibility for any repairs. NOTE: the roofing contractor is NOT an agent of GAFMC; **notice to the roofing contractor is NOT notice to GAFMC.**

By notifying GAFMC, you authorize GAFMC to investigate the cause of the leak. If the investigation reveals that the leak is not covered by this Guarantee, you agree to pay an investigation cost of \$500. This Guarantee will be cancelled if you fail to pay this cost within 30 days of receipt of an invoice for it.

You must perform regular inspections and maintenance and keep records of this work. Any equipment or material that impedes any inspection must be removed at your expense so that GAFMC can perform inspections. You must make repairs to the building or roof components not covered under the guarantee that are identified by GAFMC during an inspection as necessary to preserve the integrity of the GAFMC Roofing Materials. This guarantee will be cancelled or suspended if you fail to do so in a timely manner.

You may make temporary repairs to minimize damage to the building or its contents in an emergency, at your sole expense. These repairs will not result in cancellation of the guarantee as long as they are reasonable and customary and do not result in permanent damage to the GAFMC Roofing Materials.

### EXCLUSIONS FROM COVERAGE

This Guarantee does NOT cover leaks caused by the following or conditions other than leaks:

1. Lack of roof maintenance.
2. Unusual weather conditions or natural disasters including, but not limited to, windstorms, hail, floods, hurricanes, lightning, tornadoes, and earthquakes.
3. Damage to the roof constructed of the GAFMC Roofing Materials due to: (a) movement or cracking of the roof deck or building; (b) improper installation or failure of any non-GAFMC insulation or materials; (c) infiltration or condensation of moisture through or around the walls, copings, building structure or surrounding materials except where wall waterproofing coatings are installed, leaks are covered (d) chemical attack on the membrane, including, but not limited to, exposure to grease or oil; or (e) the failure of wood nailers to remain attached to the structure.
4. Traffic of any nature on the roof.
5. Changes in the use of the building unless approved in writing in advance by GAFMC.
6. Conditions that prevent positive drainage or result from ponding water.
7. Any repairs, modifications or additions to the GAFMC Roofing Materials after the roof is completed, unless approved by GAFMC in writing in advance.
8. Any condition (e.g., base flashing height or lack of counterflashing) that is not in accordance with GAFMC's Application and Specifications Manual unless specifically accepted by GAFMC in writing.

No representative, employee or agent of GAFMC has the authority to assume any additional liability or responsibility for GAFMC unless approved in writing by an authorized Contractor Services Manager. GAFMC shall not be responsible for or liable for any change or amendment to the GAFMC roof specifications in regard to the construction of the roof described above unless the change and/or amendment to the specifications is approved in writing by an authorized GAFMC Contractor Services Manager. NOTE: Any inspections made by GAFMC are limited to a surface inspection only, are for GAFMC's sole benefit, and do not constitute a waiver of any of the terms and conditions of this guarantee.

### ASSIGNABILITY

You may assign this guarantee to a subsequent owner of this building for the remaining term only if: 1) the request is in writing within 60 days after ownership transfer; 2) you make any repairs to the GAFMC Roofing Materials or other roofing or building components that are identified by GAFMC after an inspection as necessary to preserve the integrity of the GAFMC Roofing Materials; and 3) you pay an assignment fee of \$500. This Guarantee is NOT otherwise assignable by contract or operation of law, either directly or indirectly.

### LIMITATION OF DAMAGES; MEDIATION; JURISDICTION; CHOICE OF LAW

THIS GUARANTEE IS EXPRESSLY IN LIEU OF ANY OTHER GUARANTEES OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED GUARANTEE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, and of any other obligations or liability of GAFMC, whether any claim against it is based upon negligence, breach of guarantee or any other theory. IN NO event shall GAFMC be liable for any CONSEQUENTIAL OR INCIDENTAL DAMAGES of any kind, including, but not limited to interior or exterior damages and/or mold growth.

The parties agree that, as a condition precedent to litigation, any controversy or claim relating to this Guarantee shall be first submitted to mediation before a mutually acceptable mediator. In the event that mediation is unsuccessful, the parties agree that neither one will commence or prosecute any lawsuit or proceeding other than before the appropriate state or federal court in the State of New Jersey. This Guarantee shall be governed by the laws of the State of New Jersey, without regard to principles of conflicts of laws. Each party irrevocably consents to the jurisdiction and venue of the above identified courts.

**NOTE:** This Guarantee becomes effective only when all bills for installation and supplies have been paid in full to the roofing contractor and materials suppliers, and the Guarantee charge has been paid to GAF Materials Corporation.

This guarantee is applicable only in the U.S.A. and must have a raised seal affixed to be valid.

GAF MATERIALS CORPORATION  
1361 ALPS ROAD, BUILDING 11-1  
WAYNE, NJ 07470

By: \_\_\_\_\_ Date: \_\_\_\_\_  
Authorized Signature



## Diamond Pledge™ “NDL” Roof Guarantee

The Ultimate Option For  
Protecting Your Facility

**GAF's Diamond Pledge™ Roof Guarantee provides you with comprehensive system protection so that if your roof membrane system leaks from either material defects or application errors, the costs of repair are 100% covered!**

	STANDARD Ltd. Product Guarantee	 Material Defects & Workmanship Errors
What Does The Guarantee Cover?	Material Defects Only	Material Defects & Workmanship Errors
Covers Entire System, Including Accessories & Insulation?	No	Yes
Unlimited Dollar Amount For Covered Repairs?	No	Yes
Maximum Coverage Period?	12 Years	20-25* Years
Well Roof™ Advantage* (FREE 25% Coverage Extension)?	No	Yes
Includes Replacement Material?	Yes, Pro-rated Based On Use	Yes, 100%
Includes Cost Of Labor To Correct Problem?	No	Yes
Who Can Offer Guarantee?	Anyone	GAF Master & Master Select Certified Contractors
Is Guarantee Transferable To Next Owner?	No	Yes
Metal Flashings Including *Custom Fit* Covered	No	Yes
High Wind Coverage Available?	No	Yes
Enhanced Coverage with Eliminator™ Advantage?	No	Yes

\*On roofs with the Well Roof™ Advantage, Please see Well Roof™ brochure for complete requirements.

### Eligibility Requirements for the Diamond Pledge™ NDL Guarantee

- 1. Your roof must be installed by an GAF Master Select or GAF Master roofing contractor certified by GAF Materials Corporation for Asphaltic Systems...Torch, Hot Mopped or Cold Applied Adhesive.**
- 2. The roofer must follow GAF's procedures for guarantee issuance, including notifying GAF of the need for a guarantee before roofing commences.**
- 3. You must use GAF GAFGLAS® felts and/or RUBEROID® membranes.**
- 4. You must use GAF Products in conjunction with the membrane system including EnergyGuard™ Insulation (when applicable); Mweld® Pre-Flashed Vents, Drains, and Scuppers (when applicable); Drill-Tec™ Fasteners; Metalastic® Expansion Joint Covers (when applicable); and Matrix™ Cements/Adhesives.**



**Quality You Can Trust Since 1886...From  
North America's Largest Roofing Manufacturer**



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](http://www.miamidade.gov/economy)

GAF

1361 Alps Road  
Wayne, NJ 07470

### 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: GAF EverGuard® TPO Single Ply Roofing Systems over Concrete Decks.**

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

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

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

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

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

This NOA revises NOA No. 13-0425.01 and consists of pages 1 through 31.

The submitted documentation was reviewed by Jorge L. Acebo.



**NOA No.: 14-0128.02**  
**Expiration Date: 07/13/18**  
**Approval Date: 02/06/14**  
**Page 1 of 31**

**Membrane Type:** TPO

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

**Deck Description:** 2500 psi structural concrete

**System Type F(2):** Membrane adhered directly to deck.

**All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.**

**Membrane:** One ply of EverGuard® TPO FB Ultra or EverGuard Extreme® TPO FB Ultra adhered with LRF Adhesive O, applied in 1" wide beads spaced 6" o.c. The laps are heat welded a minimum 1-1/2" width for automatic machine welding. Weld width shall be a minimum 2" in width for hand welding. The membrane is then rolled with a water filled roller weighing a minimum of 250 lbs.

**Surfacing:** **Chosen components must be applied according to manufacturer's application instructions. Any coating listed below used as a surfacing, must be listed within a current NOA.**

1. EverGuard® TPO Batten Seam Profile or EverGuard® Self-Adhering Standing Seam Profile installed in accordance with manufacturer's specifications and applicable Building Codes.
2. Topcoat® Elastomeric Roofing Membrane, Topcoat® MB Plus (to be used as a primer with Topcoat® Elastomeric Roofing Membrane) or Topcoat® Surface Seal SB applied at 1 to 1.5 gal./sq.

**Maximum Design**

**Pressure:** -502.5 psf; (See General Limitation #9)



**NOA No.: 14-0128.02**  
**Expiration Date: 07/13/18**  
**Approval Date: 02/06/14**  
**Page 28 of 31**

### CONCRETE 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 Engineer, Architect, or Registered Roof Consultant.

### GENERAL LIMITATIONS:

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

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

5. Fastener spacing for insulation attachment is based on a Minimum Characteristic Force (F') value of 275 lbf., as tested in compliance with Testing Application Standard TAS 105. If the fastener value, as field-tested, are below 275 lbf. insulation attachment shall not be acceptable.
6. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida Registered Engineer, Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Application Standard RAS 117.
7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117. 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 with 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 9N-3 of the Florida Administrative Code.

**END OF THIS ACCEPTANCE**



NOA No.: 14-0128.02  
Expiration Date: 07/13/18  
Approval Date: 02/06/14  
Page 31 of 31

# EverGuard® Fleece-back TPO 60 mil Membrane

## Applicable Standards

UL approved for use in the construction of Class A, B, or C roofs; FM Approved, Miami-Dade County Approved, Florida Building Code Approved, CRRC Listed, Title 24 Compliant\*, ENERGY STAR® Qualified\*\*, ASTM D6878.

Physical Properties	ASTM Test Method	ASTM D6878 Minimum	EverGuard® Typical Test Data
1. Certain data is provided in MD (machine direction) x CMD (cross machine direction) format. 2. Data is based upon typical product performance, and is subject to normal manufacturing tolerance and variance.			
Nominal Thickness	ASTM D751	0.039" (min.) (0.99 mm)	0.060" (1.52 mm)
Breaking Strength	ASTM D751 Grab Method	220 lbf/in. (38.5 kN/m)	400 lbf x 360 lbf (596 x 536 kg/m)
Factory Seam Strength	ASTM D751	66 lbf (98.34 kg/m)	145 lbf (membrane failure) (216 kg/m)
Elongation at Break	ASTM D751	15%	30%
Heat Aging	ASTM D573	90% Retention of Breaking Strength and Elongation at Break	100%
Tear Strength	ASTM D751 8" x 8" (203 x 203 mm) Sample	55 lbf (81.95 kg/m)	70 lbf x 130 lbf (104 x 194 kg/m)
Puncture Resistance	FTM 101C Method 2031	Not Established	>380 lbs. (172 kg)
Cold Brittleness	ASTM D2137	-40°C	-40°C
Permeance	ASTM E96	Not Established	0.08 Perms
Dimensional Change	ASTM D1204 @158°F (70°C), 6 hrs.	+/-1%	0.4%
Water Absorption	ASTM D471 @158°F (70°C), 1 week	+/-3.0% (top coating only)	0.7%
Hydrostatic Resistance	ASTM D751 Method D	Not Established	430 psi
Ozone Resistance	ASTM D1149	No visible deterioration @ 7 x magnification	No visible deterioration @ 7 x magnification
Reflectivity (white) Initial/Aged	ASTM C1549	N/A	0.76/0.68
Emissivity (white) Initial/Aged	ASTM C1371	N/A	0.90/0.83
Weather Resistance	ASTM G155/D6878	10,080 kJ/(m² · nm) at 340 nm	>25,000 kJ/(m² · nm) at 340 nm
Heat Aging	ASTM D573	240°F (115°C) for 32 weeks	60 weeks
Thickness Above Scrim	ASTM D7635	Min 30% of Total Thickness	22.1" (561 mm) (Nominal)
<b>Guarantee</b>			
Up to 25 years			

\*White Membrane Only

\*\*ENERGY STAR® only valid in the USA

## Product Data

<b>Roll Size</b>	Note: Product sizes, dimensions, and widths are nominal values and are subject to normal manufacturing/packaging tolerance and variation.				
	<b>Colors</b>	<b>Full Size Roll</b>	<b>Full Roll Weight</b>	<b>Half Roll Size</b>	<b>Half Roll Weight</b>
	White, Tan, Gray, Energy Tan, Energy Gray	10' x 100' (3.05 x 30.5 m) (1,000 sq. ft. [92.9 sq.m])	344 lbs. (156 kg)	5' x 100' (1.52 x 30.5 m) (500 sq. ft. [46.5 sq.m])	185 lbs. (84 kg)
Note: Membrane rolls shipped horizontally on pallets, stacked pyramid-style and banded.					
<b>Storage</b>	Store rolls on their sides on pallets or shelving in a dry area.				
<b>Safety Warning</b>	Membrane rolls are heavy. Position and install by at least two people.				



[gaf.com](http://gaf.com)



# LRF

## ADHESIVE (1 OF 2)

### Description

GAF LRF O Adhesive is a two component, VOC free, low rise, bulk packaged, polyurethane foam adhesive that contains no solvents and sets in minutes.

Application is quick and easy, resulting in significant labor savings for the contractor. LRF O Adhesive is dispensed through the PaceCart, which equally mixes Part A and Part B of the adhesive, thus providing a quality, consistent application each time. GAF LRF O Adhesive is also available as a simple-to-use cartridge with disposable mixing tip for small jobs.

### Basic Use

LRF O Adhesive is designed for use as an adhesive for bonding approved fleece-back roof membranes to a building's structural roof deck, base sheets, insulation boards, and built-up roof surfaces (adhesion test for specific BUR surface must be conducted prior to conducting work). It is dispensed in 1/2" to 3/4" (13 mm – 19 mm) wide liquid beads that will quickly spread to a width of 2" to 3" (51 mm – 76 mm). LRF O Adhesive will expand and rise to fill minor surface irregularities.

### Approved Substrates

- Polyisocyanurate
- Polystyrene
- Gypsum cover boards
- Asphaltic cover boards
- Concrete
- Pre-existing asphaltic roof surface (Adhesion tests required to determine suitability. Contact your GAF territory manager to arrange testing.)

For additional information, contact your local GAF territory manager or call 1-800-766-3411.

### Advantages

- Replaces fasteners...Minimizes excessive deck penetrations
- Low rise foam...Accommodates minor surface irregularities
- Solvent free...VOC free, low odor

### Storage

Keep temperature of contents between 45°F-95°F (7°C-35°C). Bring temperature of material to approximately 70°F (22°C) just before use. Do not store in direct sunlight or above 95°F (35°C). Store boxes with valve side up. **Keep from freezing.**

### Surface Preparation

All work surfaces should be clean, dry, and free of dirt, dust, debris, oils, loose

and/or embedded gravel, un-adhered coatings, deteriorated membrane, and other contaminants that may result in a surface that is not sound or is uneven.

### Safety

Prior to working with this or any product, always review product label and Material Safety Data Sheet (MSDS) for necessary health and safety precautions.

### Limitations

- Do not apply to wet or damp surfaces.
- Do not apply when ambient air temperature is below 40°F (5°C) or surface temperatures exceed 160°F (71°C).

### Application

#### 1a. If using boxes:

- A. Extend quick connect spouts in Part A and Part B box packaging.
- B. Invert boxes and place them in the tray on the PaceCart.
- C. When using the PaceCart, connect the fittings to the feed hoses. Operate pump according to manufacturer's instructions.
- D. For other equipment, follow equipment manufacturer's instructions.

#### 1b. If using cartridges:

- A. Open a cartridge, using a utility knife to remove the molded tips at the groove from the mixing head.
  - B. Attach a mixing tip to the threaded mixing head.
  - C. Place the cartridge into applicator.
2. Apply LRF O Adhesive directly to the substrate using a ribbon pattern. Space beads as required by job specification, typically 6" or 12" (152 mm or 305 mm) o.c.
  3. GAF LRF O Adhesive should be approximately 70°F (22°C) when being dispensed. As adhesive is applied, allow the adhesive to begin rising, then place membrane.
  4. Roll in membrane using a 150lb. membrane roller or equivalent.

Unused material can be applied at a later date. Properly clean dispensing wand and pump unit according to the pump manufacturer's recommendations.

### Suitable Application Equipment Systems

- OMG PaceCart or equivalent

For a complete list of approved low-pressure pump carts, or additional information, contact your local GAF territory manager or call 1-800-766-3411.

### LIMITED WARRANTY



# LRF ○

## ADHESIVE (2 OF 2)

GAF warrants LRF O Adhesive meets GAF's manufacturing specifications at the time of sale. In the event it does not meet GAF's manufacturing specifications at the time of sale, Purchaser's SOLE REMEDY is that GAF will, at its option, refund the purchase price or replace or repair the defective product. THIS LIMITED WARRANTY IS PURCHASER'S SOLE AND EXCLUSIVE REMEDY AGAINST GAF AND IS IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. In no event shall GAF be liable for any special, incidental, consequential, or punitive damages arising out of any claims whether based on negligence, contract, warranty, strict liability or otherwise. Purchaser must give written notice of any defect in this product within 30 days of discovering the claimed defect to GAF Warranty Services, 1361 Alps Road, Wayne, NJ 07470.

### Coverage

Properly mixed and applied GAF LRF O Adhesive will produce the following approximate coverage rates

Product Configuration	Standard Coverage rate 6" (152 mm) o.c.	Standard Coverage rate 12" (305 mm) o.c.
Bag In Box (A+B)	<b>9 to 11 squares (84 to 102 m<sup>2</sup>) per set</b>	<b>17 to 20 squares (158 to 186 m<sup>2</sup>) per set</b>
Cartridge (4/box)	<b>2 to 3 Squares (19 to 28 m<sup>2</sup>) per case</b>	<b>4 to 6 squares (37 to 56 m<sup>2</sup>) per case</b>

NOTE: A 1/2" - 3/4" (13 mm – 19 mm) wide uncured adhesive bead will produce a 2" - 3" (51 mm – 76 mm) wide cured adhesive bead that will rise approximately 3/4" - 1" (19 mm-25 mm) above the substrate. Coverage rates may vary when used over irregular surfaces and will vary depending on roughness.

# Product Data Sheet EverGuard® TPO 60 mil Membrane

Title 24\*  
Compliant



## Description

GAF EverGuard® TPO 60 mil thermoplastic polyolefin single-ply membrane systems have been engineered to provide superior long-term performance and enhanced durability. Strong, flexible EverGuard® TPO 60 mil membrane is suitable for use in all types of single-ply systems: Mechanically Attached, Fully Adhered, and Ballast Applied.

Compared to other heavy-duty single-ply EPDM, PVC, and TPO membranes, GAF EverGuard® TPO 60 mil roofing membrane provides the benefits of all three materials in a single membrane: low installed cost, heat-welded seams, and no liquid plasticizers.

## Applicable Standards

UL Listed, FM Approved, Miami-Dade County Approved, Florida Building Code Approved, CRRC Listed, Title 24 Compliant\*, ENERGY STAR® Qualified\*, ASTM D6878.

Physical Properties	ASTM Test Method	ASTM D6878 Minimum	EverGuard® Typical Test Data
1. Certain data is provided in MD (machine direction) x CMD (cross machine direction) format. 2. Data is based upon typical product performance, and is subject to normal manufacturing tolerance and variance.			
Nominal Thickness	ASTM D751	0.039" (min.)	0.060"
Breaking Strength	ASTM D751 Grab Method	220 lbf/in.	370 lbf x 330 lbf
Factory Seam Strength	ASTM D751	66 lbf	135 lbf (membrane failure)
Elongation at Break	ASTM D751	15%	30%
Heat Aging	ASTM D573	90% Retention of Breaking Strength and Elongation at Break	100%
Tear Strength	ASTM D751 8" x 8" Sample	55 lbf	75 lbf x 130 lbf
Puncture Resistance	FTM 101C Method 2031	Not Established	380 lbs.
Cold Brittleness	ASTM D2137	-40 C	-40 C
Permeance	ASTM E96	Not Established	0.08 Perms
Dimensional Change	ASTM D1204 @158 F, 6 hrs.	+/- 1%	0.4%
Water Absorption	ASTM D471 @158 F, 1 week	+/- 3.0% (top coating only)	0.7%
Hydrostatic Resistance	ASTM D751 Method D	Not Established	430 psi
Ozone Resistance	ASTM D1149	No visible deterioration @ 7 x magnification	No visible deterioration @ 7 x magnification
Reflectivity (white)	ASTM C1549	N/A	0.76
Emissivity (white)	ASTM C1371	N/A	0.90
Weather Resistance	ASTM G155/D6878	10,080 KJ/(m <sup>2</sup> · nm) at 340 nm	>16,000 KJ/(m <sup>2</sup> · nm) at 340 nm

## Product Data

<b>Roll Size</b>	Note: Product sizes, dimensions, and widths are nominal values and are subject to normal manufacturing/packaging tolerance and variation.			
<b>Colors</b> White, Tan, Gray, Energy Tan, Energy Gray	<b>Full Roll Size</b>	<b>Full Roll Weight</b>	<b>Half Roll Size</b>	<b>Half Roll Weight</b>
	10' x 100' (1,000 sq. ft.)	322 lbs.	5' x 100' (500 sq. ft.)	162 lbs.
	8' x 100' (800 sq. ft.)	257.6 lbs.	4' x 100' (400 sq. ft.)	128.8 lbs.
Note: Membrane rolls shipped horizontally on pallets, stacked pyramid-style and banded.				
<b>Storage</b>	Store rolls on their sides on pallets or shelving in a dry area.			
<b>Safety Warning</b>	Membrane rolls are heavy. Position and install by at least two people.			

\*White, Energy Gray, and Energy Tan Membrane Only

ENERGY STAR® only valid in the USA



# TPO Bonding Adhesive

Quality You Can  
Trust...From  
North America's  
Largest Roofing  
Manufacturer!™

[gaf.com](http://gaf.com)

## EverGuard® TPO SINGLE-PLY ROOFING SYSTEMS

### Description

EverGuard® 1121 Bonding Adhesive is a contact-type bonding adhesive specially designed for bonding TPO single-ply roofing membranes and flashings to various roofing substrates. EverGuard® 1121 Bonding Adhesive is a general purpose rubber-based bonding adhesive for attaching TPO-based single-ply membranes to various substrates, including polyisocyanurate insulation and gypsum-based cover boards.

### Features and Benefits

- Excellent coverage up to 70 sq ft per gallon of bonded membrane
- Fast-drying solvent system
- Easy application using roller or brush
- Spray application also possible
- High initial tack

### Physical Properties

**Base:** Synthetic polymer  
**Solvent:** Hydrocarbon blend  
**Flash Point:** 0°F (-18°C)  
**Weight/Gallon:** 7.4 lbs  
**Color:** Yellow  
**Viscosity:** 2,300 - 2,700 cps  
**Coverage:** 50-70 sq. ft./gallon

**Total Solids:** 25% +/- 2.5%  
**Voc:** 611 grams/liter  
**Shelf Life:** 1 year, unopened  
**Open Time:** Up to 60 minutes  
**Dry Time:** 5 - 15 minutes  
**Application:** Roller, brush, or spray



## 1121 Bonding Adhesive

### Ordering Information

**Item Number:** 778000M  
**Packaging:** 5 gallon pails  
**Weight:** 37 lbs/pail  
**Shipping:** 45 pails per pallet

TOPCOAT<sup>®</sup>  
**FLEXSEAL CAULK GRADE**  
Information Sheet

Updated: 7/2010



*Your Best and Safest Choice<sup>™</sup> ...  
Quality You Can Trust Since 1886!*



# FLEXSEAL CAULK GRADE

## Description

TOPCOAT® FlexSeal Caulk Grade is a white solvent-based synthetic elastomeric sealant. FlexSeal is extremely flexible and durable, but with a higher viscosity formulation than Standard FlexSeal. Like all solvent-based products, the surface must be clean, completely free of moisture and residual contaminants before application. FlexSeal Caulk Grade is especially suited for use in any application where caulk is typically used. If a more fluid viscosity is desired, FlexSeal is also available in both a standard viscosity as FlexSeal and a low viscosity version FlexSeal LV.

## Uses

FlexSeal Caulk Grade is designed for use on metal, copper, concrete, wood, asphalt shingles, SBS, APP, EPDM, BUR, TPO and PVC substrates. Especially designed for use where elastomeric caulks are required; like term bar applications, or around clamping rings at penetrations. FlexSeal Caulk Grade may be used for cold weather applications provided that the material is stored properly and the substrate is dry prior to application. This product is easiest to apply at temperatures above 32°F (0°C). Substrate temperatures must be below 120°F (48.9°C) when applying product.

## Advantages

- Extremely flexible and durable
- Ideal for termination bar, railing, step flashings, or edge metal
- Durable and UV resistant; will not chalk, crack or peel
- Joint movement capability maximum  $\pm 25\%$

- Bonds to multiple substrates including; metal, copper, concrete, wood, asphalt shingles, SBS, APP, EPDM, BUR, TPO, and PVC.
- Paintable
- Limited material warranty available for up to 10 years\*
- May be used in Guaranteed Projects up to 20 years\*\*
- Available in 10 oz. cartridges

For application questions, please contact GAFMC Contractor Services at 1-800-766-3411.

## Applicable Standards

FlexSeal Caulk Grade meets ASTM D-412 and D-920; and is tested in accordance with D-2196 and D-1475.

## Application Considerations

FlexSeal Caulk Grade is not a structural component and it is not intended to bridge large voids. Joint depth should not exceed 1/2" wide by 1/2" deep (13 mm x 13 mm). If joint exceeds 1/2" (13 mm) deep, the sealant depth should be controlled by a closed cell backer rod. The number of joints and width of joints should be designed to accommodate a maximum of 25% movement. Note: Apply only as directed. Over-application may result in slumping, dripping, or unsightly appearance.

**Note:** Repair leaks promptly to avoid adverse effects, including mold growth.

\*See warranties and guarantees for complete coverage and restrictions.

\*\*When used as a part of a multi-ply system. FlexSeal Caulk Grade is a maintenance item and should be inspected periodically as a part of regular roof maintenance.

## TOPCOAT® FLEXSEAL CAULK GRADE TECHNICAL DATA

Application Rate:	Approximately 1/4 - 3/8 inch (6 – 10 mm) bead
Application Method:	Caulk Gun
Application Temp (air, surface):	32°F - 120°F (0°C – 48.9°C)
Drying Time (varies by conditions):	24 – 48 hrs; Skins in less than 1 hour; Full Cure - approximately 48 hours
Total Solids (by weight):	77% $\pm$ 2%
Specific Gravity:	1.24 $\pm$ 0.1
Weight per Gallon:	10.3 $\pm$ 0.5 lbs
Viscosity (75°F (23.9°C)):	1,200,000 cps $\pm$ 10%
Tensile:	>250 psi (>1.72 N/sq mm)
Storage:	Recommended storage temperature range 50°F-90°F (10°C-32.2°C). Storage for continued periods outside this temperature range may shorten shelf life
<b>Shelf Life:</b>	Approximately 1 year.
Clean-up:	Mineral Spirits, Toluene, Xylene

Product Data Sheet

# EverGuard<sup>®</sup> Sealants

Updated: 8/09



*Your Best and Safest Choice<sup>™</sup> ...  
Quality You Can Trust Since 1886!*

# Product Data Sheet

## EverGuard®

### Sealants

#### Description

GAF EverGuard® single-ply roofing systems include a full line of EverGuard®/GAF sealants.

**Note:** EverGuard®/GAF sealants are specially formulated for specific applications: be sure to use the correct sealant for the application. The following EverGuard®/GAF sealants are available:

Product	Description	Benefit/Application	Units Per Carton	Carton Weight
<b>EverGuard® Water Block</b>	One-part butyl-based high-viscosity sealant	<ul style="list-style-type: none"> <li>• Suitable for sealing between flashing membrane and substrate surface behind exposed termination bars</li> <li>• Suitable for sealing between roofing membrane and drain flanges</li> </ul>	25 10.5 oz. cartridges	13 lbs.
<b>EverGuard® 2-Part Pourable Sealant</b>	100% solids urethane-based two-part sealant	<ul style="list-style-type: none"> <li>• Suitable for filling sealant pans at irregularly-shaped penetrations</li> </ul>	1 kit = 1 gal Part A and 1 pint Part B 2 kits per carton	18 lbs.
<b>EverGuard® TPO &amp; PVC Cut Edge Sealant</b>	Sealant used at any non-factory edge of TPO and PVC membrane	<ul style="list-style-type: none"> <li>• Used to seal non-factory edges (cut edges) as a final step in reinforced membrane installation</li> <li>• PVC Cut Edge with PVC</li> <li>• TPO Cut Edge with TPO</li> </ul>	<ul style="list-style-type: none"> <li>• 12 pints/ctn.</li> <li>• 100 lineal feet per pint @ 1/8" diameter bead.</li> </ul>	12 lbs.

**Storage:**

- Store sealants in original containers on pallets or shelving in a dry area.
- Store sealants in 50-100°F conditioned area away from open flame or other combustion source.
- Do not allow to freeze.

# **TPO UN-55 Detailing Membrane Sell Sheet (COMEG196)**

Updated: 12/14



*Quality You Can Trust...From  
North America's Largest Roofing Manufacturer!™*



**EverGuard<sup>®</sup>TPO**  
SINGLE-PLY ROOFING SYSTEMS

Accessory

### Description

EverGuard<sup>®</sup> TPO UN-55 Detailing Membrane provides roofing contractors with an easy-to-install factory-built detail. EverGuard<sup>®</sup> TPO UN-55 Detailing Membrane is constructed using GAF's proven, durable EverGuard<sup>®</sup> TPO. This accessory is used as an alternative material for flashing penetrations and corners of base and curb flashing.

- **Cost effective...**  
Reliability is built in; made with GAF EverGuard<sup>®</sup> TPO membrane
- **Improved reliability...**  
Factory-built accessories reduce risk of leaks and callbacks
- **Improved aesthetics...**  
Uniform look

### Application

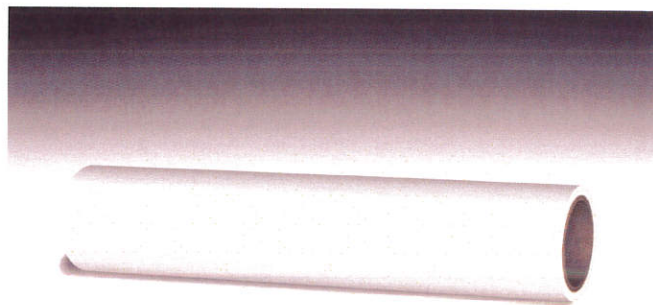
EverGuard<sup>®</sup> TPO UN-55 Detailing Membrane is designed for use with GAF EverGuard<sup>®</sup> TPO and EverGuard<sup>®</sup> Freedom<sup>™</sup> Self-Adhering TPO. UN-55 Detailing Membrane may be installed on:

- EverGuard<sup>®</sup> TPO 45, 60, and 80 mil mechanically attached or fully adhered roofing systems
- EverGuard<sup>®</sup> Freedom<sup>™</sup> TPO 45, 50, and 80 mil self-adhering roofing systems

See published application and specifications manual for detailed instructions.

### Product Information

EverGuard<sup>®</sup> TPO UN-55 Detailing Membrane come standard in White, and is also offered in several additional colors. The membrane is unreinforced, so it's easier to work with at difficult flashing details.



## UN-55 Detailing Membrane

- Manufactured to strict specifications
- Designed for ease of installation
- Alternative flashing/reinforcement material for penetrations and corners
- Required wherever preformed vent boots cannot be used

SPECIFICATIONS	
Roll Size:	24" x 50' (610 mm x 15.24 m) rolls
Material:	55 mil unreinforced TPO membrane
SHIPPING SPECIFICATIONS	
Weight per roll:	28 lbs (12.7 kg)

Visit [gaf.com](http://gaf.com) to see our full line of prefabricated accessories!

Quality You Can  
Trust... From  
North America's  
Largest Roofing  
Manufacturer!™

[gaf.com](http://gaf.com)

**GAF**
**EverGuard<sup>®</sup>TPO**  
 SINGLE-PLY ROOFING SYSTEMS

 Coated  
 Accessories

TPO Coated Accessories

### Description

EverGuard<sup>®</sup> TPO single-ply roofing system coated metal drain accessory provides roofing contractors an easy-to-install, factory-built detail. EverGuard<sup>®</sup> TPO coated drains are constructed using GAF's proven, durable EverGuard<sup>®</sup> TPO coated onto a durable drain unit.

- **Cost effective...** Reduces installed costs by up to 25%
- **Improved Reliability...** Factory-built accessories reduce risk of leaks and callbacks
- **Improved Aesthetics...** Uniform look

### Application

EverGuard<sup>®</sup> TPO coated accessories are designed for use with GAF EverGuard<sup>®</sup> TPO single-ply membranes and EverGuard<sup>®</sup> Freedom<sup>™</sup> TPO self-adhering membranes. The factory-coated accessories may be installed on mechanically attached, fully adhered, or self-adhered EverGuard<sup>®</sup> TPO roofing systems. See current application and specifications manual for detailed instructions.

### Product Information

EverGuard<sup>®</sup> TPO coated drains are constructed from aluminum and coated with a weldable TPO compound. TPO membrane can be heat welded directly to the drain body, resulting in a strong, secure installation. Each drain is fitted with a BlueSeal<sup>®</sup> mechanical drain seal for a secure, tight seal into the building drain system.



## TPO Coated Metal Drain

### Available Sizes

EverGuard<sup>®</sup> TPO Coated Metal Drains are available in two sizes:

- 3" drain will fit into a 3" ID pipe
- 4" drain will fit into a 4" ID pipe

### Also Available...



Fluted Corner



Inside Corner



Vent Boot



Universal Corner



Vent

Quality You Can  
 Trust...From  
 North America's  
 Largest Roofing  
 Manufacturer!™

**[gaf.com](http://gaf.com)**



# EverGuard® DIAMOND PLEDGE™ NDL ROOF GUARANTEE

No. \_\_\_\_\_



OWNER: \_\_\_\_\_ PERIOD OF COVERAGE: \_\_\_\_\_ YEARS

NAME AND TYPE OF BUILDING: \_\_\_\_\_

ADDRESS OF BUILDING: \_\_\_\_\_

ROOF SPECIFICATION: \_\_\_\_\_ AREA OF ROOF: \_\_\_\_\_ SQUARES

APPLIED BY: \_\_\_\_\_

DATE OF COMPLETION: \_\_\_\_\_ GUARANTEE EXPIRATION DATE: \_\_\_\_\_

## THE GUARANTEE/SOLE AND EXCLUSIVE REMEDY

GAF guarantees to you, the original owner of the building described above, that GAF will provide "Edge To Edge" protection by repairing leaks through the GAF roofing membrane, liquid-applied membrane or coating, base flashing, high wall waterproofing flashing, insulation, expansion joint covers, preflashed accessories, and metal flashings used by the contractor of record that meet SMACNA standards (the "GAF Roofing Materials") resulting from a manufacturing defect, ordinary wear and tear, or workmanship in applying the GAF Roofing Materials.

There is no dollar limit on covered repairs. Leaks caused by any materials other than those listed above, such as the roof deck, non-GAF insulation, or any other materials used in the construction of the roof system, are not covered.

## GUARANTEE PERIOD

This guarantee ends on the expiration date listed above. **NOTE:** Lexsuo® flashings are covered by this guarantee **ONLY** for the first ten years.

## OWNER RESPONSIBILITIES

### Notification of Leaks

In the event of a leak through the GAF Roofing Materials, you **MUST** make sure that GAF is notified directly about the leak, in writing, within **30 days** by email (preferred) at [guarantee@laf.com](mailto:guarantee@laf.com) or by postal mail to GAF Guarantee Services, 1 Campus Drive, Parsippany, NJ 07054, or GAF will have no responsibility for making repairs. **NOTE:** The roofing contractor is **NOT** an agent of GAF; notice to the roofing contractor is **NOT** notice to GAF.

By notifying GAF, you authorize GAF to investigate the cause of the leak. If the investigation reveals that the leak is not covered by this guarantee, you agree to pay an investigation cost of \$500. This guarantee will be cancelled if you fail to pay this cost within 30 days of receipt of an invoice for it.

### Preventative Maintenance and Repairs

- You must perform regular inspections and maintenance and keep records of this work.
- To keep this guarantee in effect, you must repair any conditions in the building structure or roofing system that are not covered by this guarantee but that GAF concludes may be threatening the integrity of the GAF Roofing Materials (e.g., porous walls allowing water entry into the roofing system).
- You may make temporary repairs to minimize damage to the building or its contents in an emergency, at your sole expense. These repairs will not result in cancellation of the guarantee as long as they are reasonable and customary and do not result in permanent damage to the GAF Roofing Materials.
- Any equipment or material that impedes any inspection or repair must be removed at your expense so that GAF can perform inspections or repairs.

## EXCLUSIONS FROM COVERAGE

(e.g., items that are not "ordinary wear and tear" or are beyond GAF's control)

This guarantee does **NOT** cover conditions other than leaks. This guarantee also does **NOT** cover leaks caused by any of the following:

- Inadequate roof maintenance, that is, the failure to follow the Scheduled Maintenance Checklists provided with this guarantee (extra copies available by calling Guarantee Services at 1-800-ROOF-411).
- Unusual weather conditions or natural disasters including, but not limited to, windstorms, hail, floods, hurricanes, lightning, tornados, and earthquakes, unless specifically covered under this guarantee.
- Damage to the roof constructed of the GAF Roofing Materials due to: (a) movement or cracking of the roof deck or building; (b) improper installation or failure of any non-GAF insulation or materials; (c) infiltration or condensation of moisture through or around the walls, copings, building structure, or surrounding materials except where high wall GAF waterproofing flashings are installed; (d) chemical attack on the membrane, including, but not limited to, exposure to grease or oil; (e) the failure of wood nailers to remain attached to the structure; or (f) use of materials that are incompatible with the GAF Roofing Materials.
- Traffic of any nature on the roof unless using GAF walkways applied in accordance with GAF's published application instructions.
- Blisters in the GAF Roofing Materials that have not resulted in leaks.
- Changes in the use of the building or any repairs, modifications, or additions to the GAF Roofing Materials after the roof is completed, unless approved in writing by GAF.
- Exposure to sustained high-temperature conditions; however, for systems utilizing EverGuard Extreme® TPO membrane, exposure in excess of 195°F.
- Any condition (e.g., base flashing height or lack of counter flashing) that is not in accordance with GAF's published application instructions, or any deviation or modification from any published specification, unless specifically authorized by a GAF Field Services Manager or Director in writing.

No representative, employee, or agent of GAF, or any other person, has the authority to assume any additional or other liability or responsibility for GAF, unless it is in writing and signed by an authorized GAF Field Services Manager or Director. **NOTE:** Any inspections made by GAF are limited to a surface inspection only, are for GAF's sole benefit, and do not constitute a waiver of any of the terms and conditions of this guarantee.

This guarantee **MAY BE SUSPENDED OR CANCELLED IF THE ROOF IS DAMAGED BY** any cause listed above as **AN EXCLUSION FROM COVERAGE** that may affect the integrity or watertightness of the roof.

## TRANSFERABILITY

You may transfer or assign this guarantee to a subsequent owner of this building for the remaining term only if: 1) the request is in writing to GAF at the address listed below within 60 days after ownership transfer; 2) you make any repairs to the GAF Roofing Materials or other roofing or building components that are identified by GAF after an inspection as necessary to preserve the integrity of the GAF Roofing Materials; and 3) you pay an assignment fee of \$500. This guarantee is **NOT** otherwise transferable or assignable by contract or operation of law, either directly or indirectly.

## LIMITATION OF DAMAGES; MEDIATION; JURISDICTION; CHOICE OF LAW

THIS GUARANTEE IS EXPRESSLY IN LIEU OF ANY OTHER GUARANTEES OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, and of any other obligations or liability of GAF, whether any claim against it is based upon negligence, breach of warranty, or any other theory. In NO event shall GAF be liable for any CONSEQUENTIAL OR INCIDENTAL DAMAGES of any kind, including, but not limited to, interior or exterior damages and/or mold growth.

The parties agree that, as a condition precedent to litigation, any controversy or claim relating to this guarantee shall be first submitted to mediation before a mutually acceptable mediator. In the event that mediation is unsuccessful, the parties agree that neither one will commence or prosecute any lawsuit or proceeding other than before the appropriate state or federal court in the State of New Jersey. This guarantee shall be governed by the laws of the State of New Jersey, without regard to principles of conflicts of laws. Each party irrevocably consents to the jurisdiction and venue of the above identified courts.

**NOTE:** This guarantee becomes effective only when all bills for installation and supplies have been paid in full to the roofing contractor and materials suppliers, and the guarantee charge has been paid to GAF.

This guarantee must have a raised seal to be valid.

GAF  
1 Campus Drive  
Parsippany, NJ 07054

By: \_\_\_\_\_ Date: \_\_\_\_\_  
Authorized Signature



## EverGuard® Diamond Pledge™ NDL Roof Guarantee With True “Edge-To-Edge” Coverage

### Important Information On Your Guarantee Coverage...

Congratulations on selecting a GAF EverGuard® Diamond Pledge™ NDL Roof Guarantee. GAF is proud to provide you with extraordinary guarantee coverage for your new roofing system.

- The EverGuard® Diamond Pledge™ NDL Roof Guarantee provides you with comprehensive system protection so that if your new GAF roofing system leaks from a manufacturing defect or workmanship error, the costs of repair are 100% covered (see your EverGuard® Diamond Pledge™ NDL Roof Guarantee for complete coverage and restrictions).

With this extraordinary coverage you may also be eligible for up to 25% additional duration of coverage with the WellRoof® Guarantee Extension.<sup>1</sup>

#### First, let's understand the responsibilities of ownership...

- It's common sense... if you own something and you want it to perform, you have to maintain it. After all, you wouldn't expect...
  - a smoke alarm to go off with a dead battery
  - your furnace to perform efficiently if you never changed the filter
  - your car to run if you never changed the oil

Your new roof is no exception.

*Simply put... maintenance is a responsibility of ownership. Without basic maintenance, your assets will diminish in value. With basic maintenance, you can preserve them and enjoy years of reliable service.*

Your new roof is protected by the extraordinary EverGuard® Diamond Pledge™ NDL Roof Guarantee coverage, plus you may be eligible for the added benefits of...

#### • Up to 25% of additional duration... with the WellRoof® Guarantee Extension<sup>1</sup>

GAF is so committed to helping you maintain your asset and **keeping your guarantee in effect**, we've put together a program designed to help reduce the risk of the unexpected expense and unnecessary disruption that may occur if your roof leaks.

**The WellRoof® Guarantee Extension** can add up to 25% additional duration to your EverGuard® Diamond Pledge™ NDL Roof Guarantee coverage, when you maintain your roof with the services of a **GAF Certified Maintenance Professional**.

Protect your asset and get longer protection from your guarantee with the WellRoof® Guarantee Extension and a maintenance program you can trust, executed by a GAF Certified Maintenance Professional. Call 1-800-ROOF-411 or visit [gaf.com](http://gaf.com) for information about a Certified Maintenance Professional in your area.

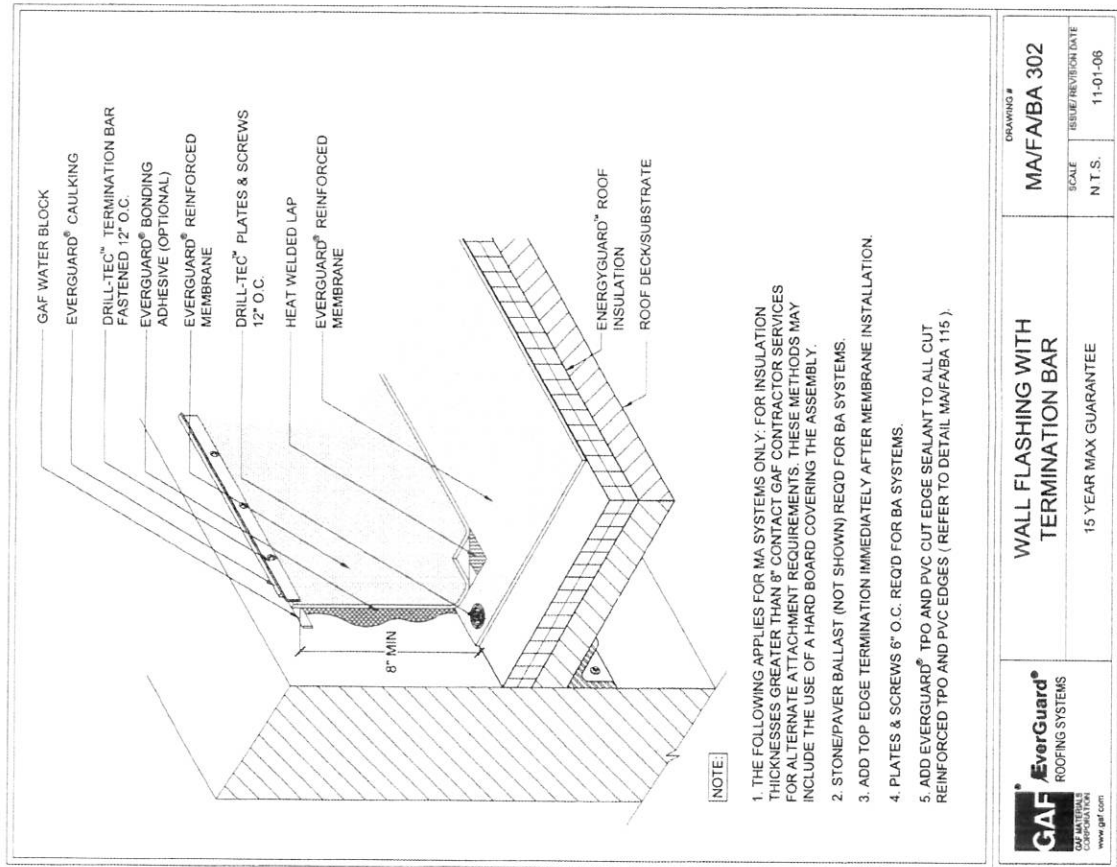
Need more info on saving money with a roof maintenance program? See the WellRoof® Brochure at [gaf.com](http://gaf.com).

<sup>1</sup> See the WellRoof® Guarantee Extension for complete coverage and restrictions.



Quality You Can Trust... From  
North America's Largest Roofing Manufacturer!™

[gaf.com](http://gaf.com)



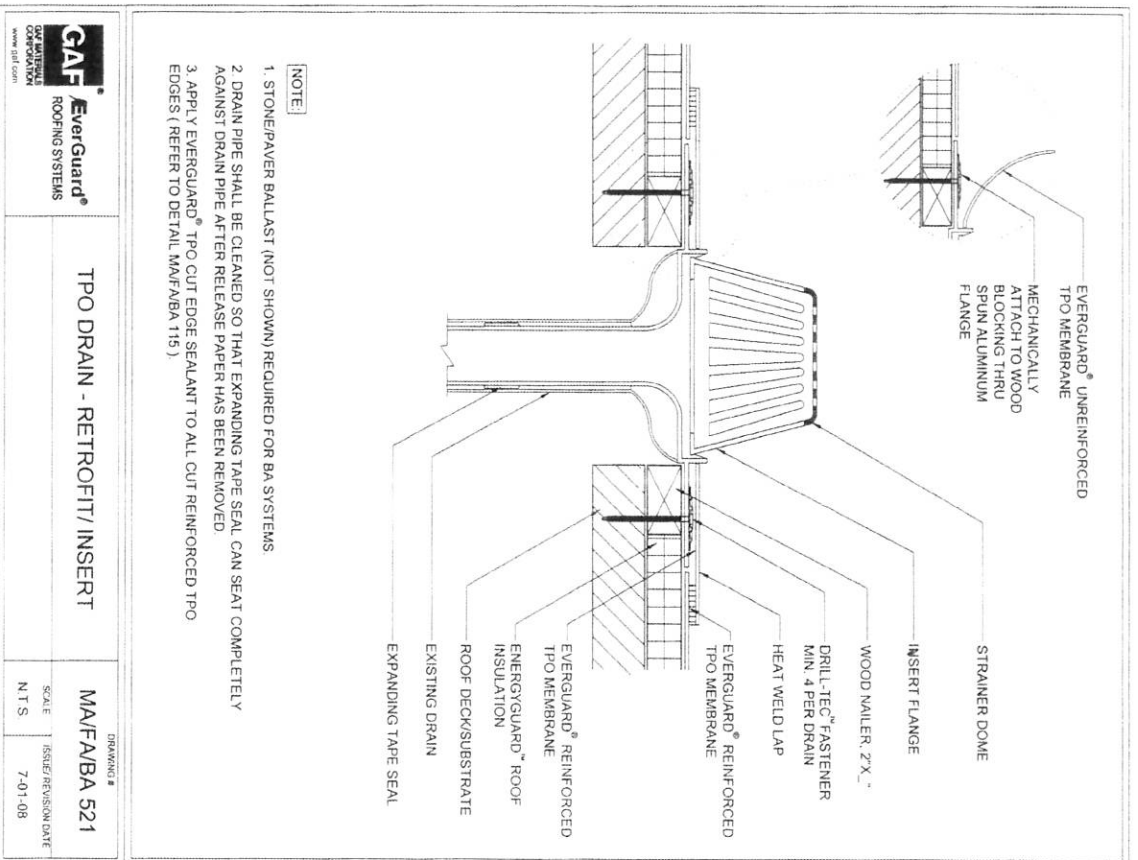
Note: There will be no insulation installed on this roof.

Counter flashing: New counter flashing to be installed will be manufactured using 0.050" mill finish aluminum.

<b>GAF EverGuard</b> OF MULTIPLE ROOFING SYSTEMS <small>www.gaf.com</small>	<b>WALL FLASHING WITH TERMINATION BAR</b> 15 YEAR MAX GUARANTEE		DRAWING # <b>MA/FA/BA 302</b>
	SCALE N.T.S.		REVISION/REVISION DATE 11-01-06

Note: There will be no insulation on this roof.

EverGuard® Roofing Details



## **Infinity Roofing & Sheet Metal Inc**

Licensed - Insured  
CCC057467

1150 NW 10<sup>th</sup> Avenue Suite 201W  
Pompano Beach, FL. 33069

Phone: (954) 917-7107  
Fax: 954-917-7108  
email - [info@infinityrfg.com](mailto:info@infinityrfg.com)

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**FLORIDA POWER AND LIGHT COMPANY**

**PORT EVERGLADES POWER PLANT**

**BUILDING: STORE ROOM**



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## **FLORIDA POWER & LIGHT COMPANY**

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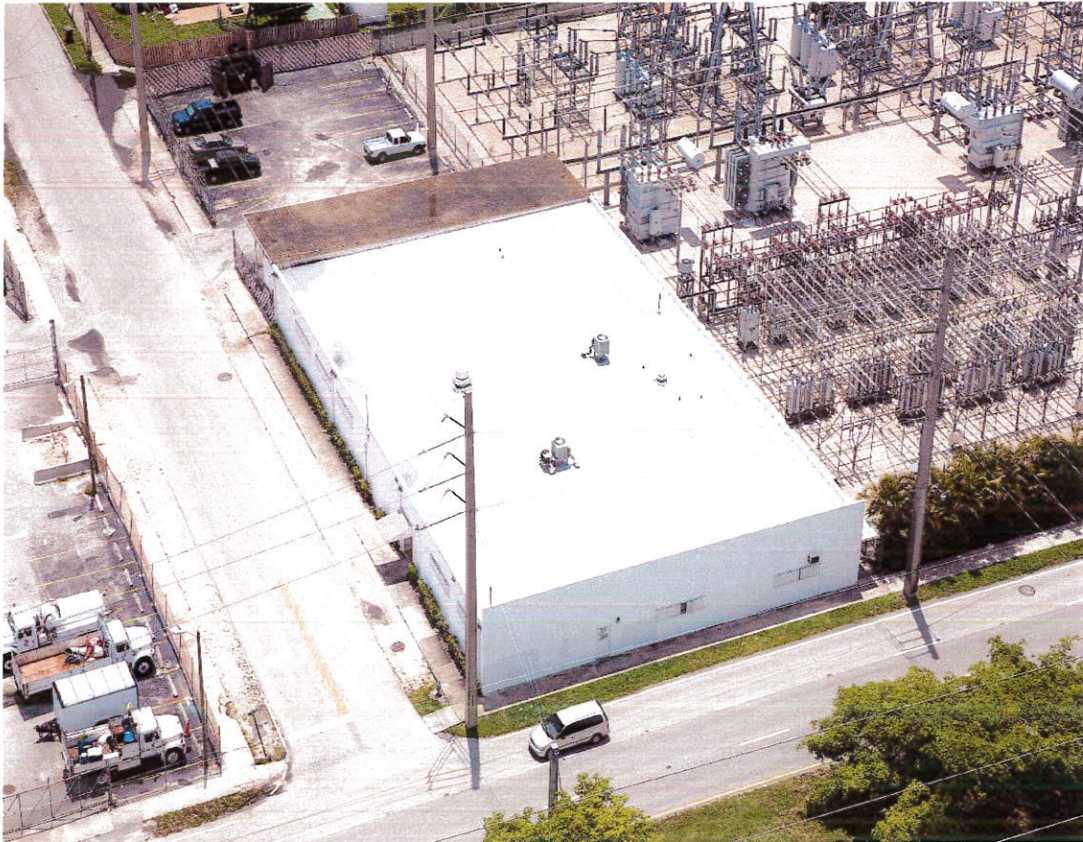


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### **ORMOND BEACH**



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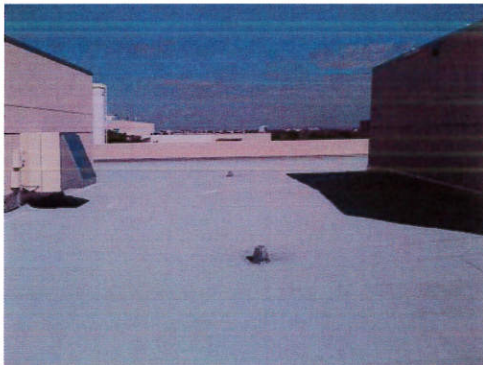
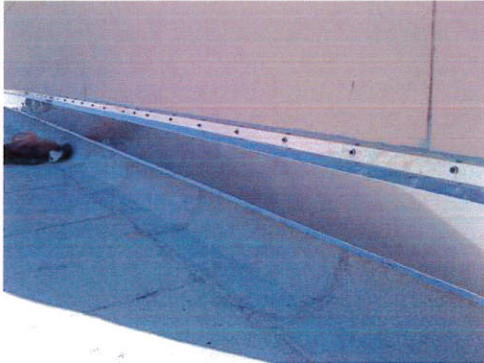
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## WACHOVIA BANK SOUTH COUNTY-WEST PALM BEACH, FL



Wachovia Bank

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## BED BATH & BEYOND



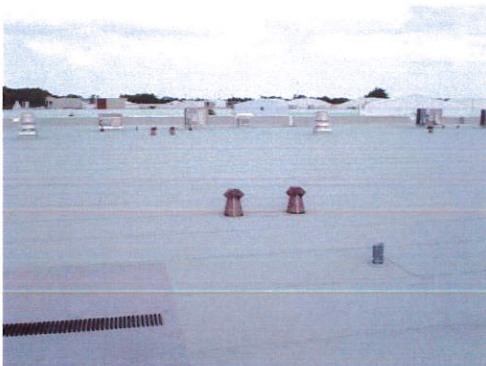
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## **Columbus Center**



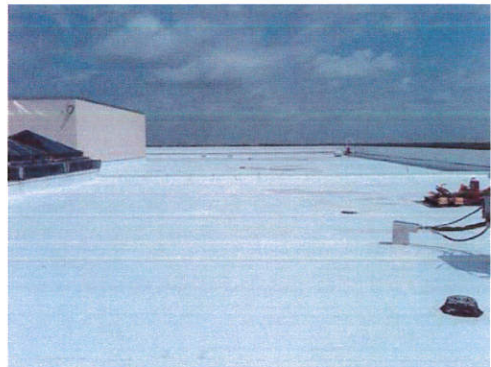
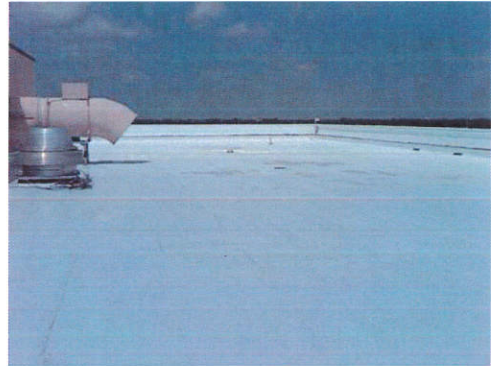
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## **American Express**

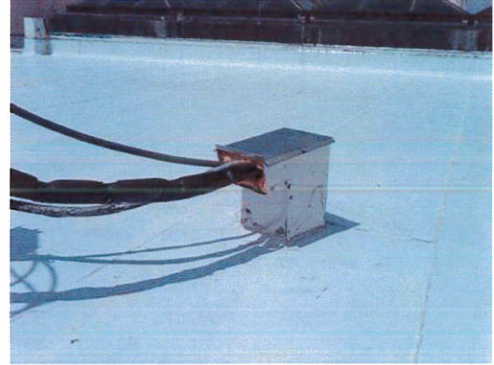


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Infinity Roofing & Sheet Metal, Inc.

American Express

Print #100825019  
Date: 08/25/10  
Lat/Lon: 26.130287 -80.263297  
 Aerial Photography, Inc. 954-568-0464

# Infinity Roofing & Sheet Metal Inc

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## Galleria Center, Fort Lauderdale



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## Buckley Towers



Infinity Roofing & Sheet Metal, Inc. *Buckley Towers Condominium Association*

Print #100812144

Date: 08/12/10

Lat/Lon: 25.945869 -80.174530

 Aerial Photography, Inc. 954-568-0484

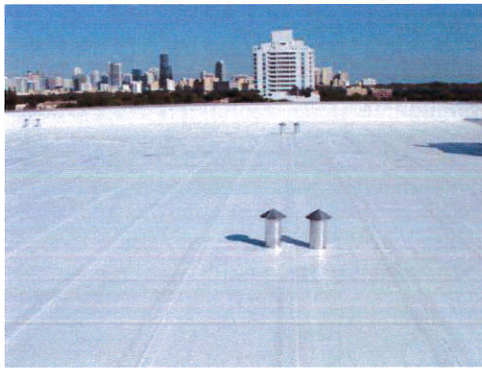
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### **Wachovia Bank Coral Way- City of Miami**



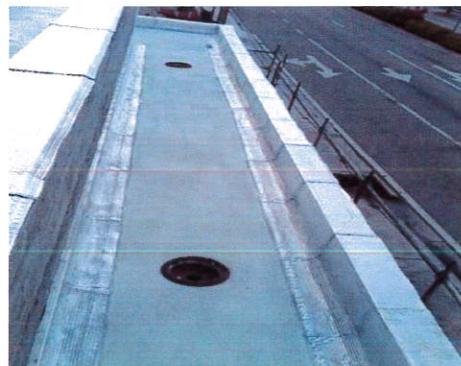
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### **Wachovia Bank- Wilton Manors**



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email - [info@infinityrfg.com](mailto:info@infinityrfg.com)

## **FIU Charles Perry Building**



Infinity Roofing & Sheet Metal, Inc.

FIU  
Charles Perry and Marc Building

Print #100812098  
Date: 08/12/10  
Lat/Lon: 25.755190 -80.373576  
 Aerial Photography, Inc. 954-568-0484

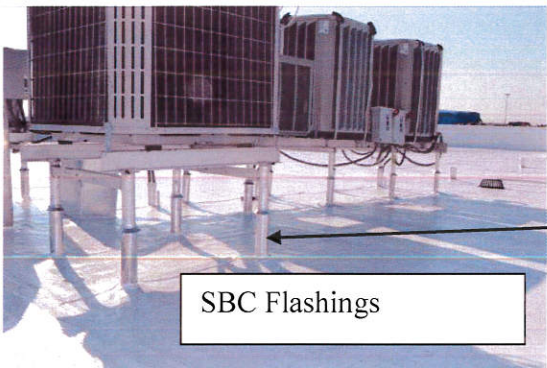
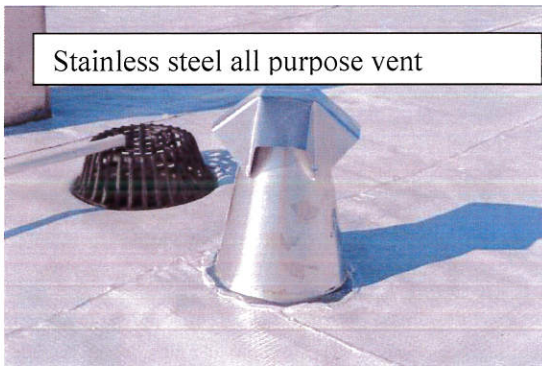
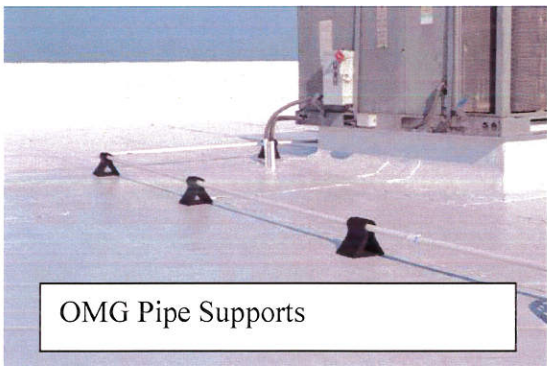
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## Atria At Pembroke Pines



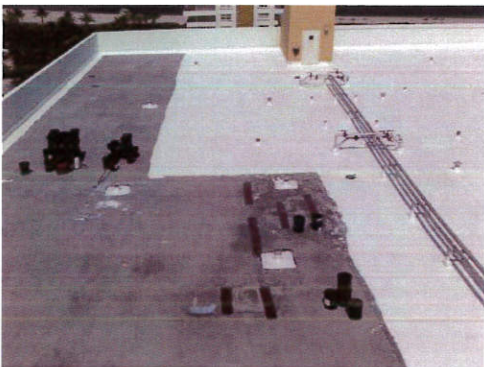
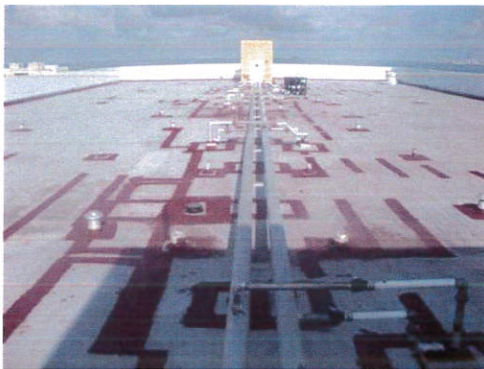
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### Commodore Plaza-Key Biscayne (Energy Star Coating)



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## **Florida International University- Marc Building- Garland Standing Seam Metal Roof**





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Infinity Roofing & Sheet Metal, Inc.

*FIU  
Charles Perry and Marc Building*

Print #100812096  
Date: 08/12/10  
Lat/Lon: 25.755190 -80.373576

 Aerial Photography, Inc. 954-568-0484

FIU- Marc Building Standing Seam Metal Roof System

# **Infinity Roofing & Sheet Metal Inc**

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## **FPL- Fort Myers Power Plant (MBCI Standing Seam Metal Roof System)**



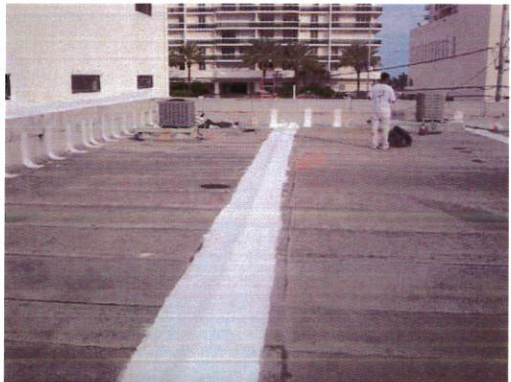
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## **Ken Braidman- Bal Harbour- Energy Star Coating**



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## Dr. Cornfeld Residence 13,000 s/f

