

“The Source for Commercial Roofing”

Louisiana Contractor’s License # 39349

503 Coleman Place

P. O. Box 370

Kenner, Louisiana 70063

www.rycars.com

504-305-5309

“SEALED BID ENCLOSED FOR”

BID NO: 50-00139386

**Labor & Materials Needed To Supply And Install An
Elastomeric Silicone Roof Coating System & Six Roof Drains
At The Jefferson Parish Emergency Operations Building**

Submit To

Jefferson Parish Purchasing Department

200 Derbigny Street, Suite 4400

Gretna, Louisiana 70053

Proposal Due Date September 1, 2022 @ 2:00PM

Corporate Office

503 Coleman Place
Kenner, Louisiana 70062
Telephone • 504.305.5309
Facsimile • 504.305.5308

Georgia Office

3450 Buffington Center • Suite B
Atlanta, Georgia 30349
Telephone • 404.209.9991
Facsimile • 404.209.9936

All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES X NO _____

MAXIMUM ESCALATION PERCENTAGE REQUESTED 10 %

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF November 1, 2022 .

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

DELIVERY: FOB JEFFERSON PARISH

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

September 26, 2022

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable)

39349

THIS SECTION MUST BE COMPLETED BY BIDDER:

FIRM NAME: RYCARS Construction, LLC

ADDRESS: P. O. Box 370

CITY, STATE: Kenner, Louisiana ZIP: 70063

TELEPHONE: (504) 305-5309 FAX: (504) 305-5308

EMAIL ADDRESS: ryanburks@rycars.com

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form by placing the addendum number as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

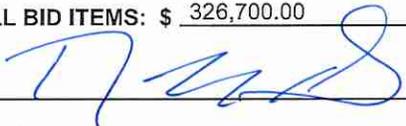
Acknowledge Receipt of Addenda: NUMBER: 1

NUMBER: 2

NUMBER: _____

NUMBER: _____

TOTAL PRICE OF ALL BID ITEMS: \$ 326,700.00

AUTHORIZED SIGNATURE: 

Ryan E. Burks

Printed Name

TITLE: President

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00139386

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	1.00	JOB	<p>LABOR & MATERIALS NEEDED TO SUPPLY AND INSTALL A ELASTOMERIC SILICONE ROOF COATING SYSTEM & SIX ROOF DRAINS AT THE JEFFERSON PARISH EMERGENCY OPERATIONS BUILDING</p> <p>0010 - TO SUPPLY ALL LABOR, MATERIALS EQUIPMENT AND ALL OTHER INCIDENTALS</p>	\$ 326,700.00	\$ 326,700.00
2	1.00	JOB	<p>NEEDED TO COVER THE INSTALLATION OF A PURE ELASTOMERIC SILICONE COATting OVER THE EXISTING ROOFS AND REPLACE SIX(6) ROOF DRAINS AT THE JEFFERSON PARISH EMERGENCY OPERATIONS AND COMMUNICATIONS CENTER LOCATED AT 910 3RD ST, GREtnA, LA 70053. ALL PREPARATION SHALL FOLLOW THE MANUFACTURER'S GUIDELINES AND INSTURCTIONS. SEE ATTACHMENT "A" FOR BUILDING LOCATION AND AREAS OF THE TOP TO BE COATED AND ATTACHMENT "B" FOR THE DRAINS TO BE REPLACED.</p> <p>0020 - PROVIDE A COST PER SQUARE FOOT TO REMOVE, REPAIR AND REPLACE WATER-DAMAGED ROOFING MATERIALS DESCRIBED IN SECTION 10.0 OF THESE SPECIFICATIONS. THIS IDENTIFIED COST WILL NOT BE PART OF THE BASE BID AND WILL NOT BE USED TO DETERMINE THE LOWER BIDDER. THIS LINE ITEM WILL ONLY BE USED IF NEEDED.</p> <p>*** PLEASE SEE ATTACHED SPECIFICATIONS***</p>	\$ 25.00/SQ FT	\$ 25.00/SQ FT

Non-Public Works Bid

AFFIDAVIT

STATE OF Louisiana

PARISH/COUNTY OF Jefferson

BEFORE ME, the undersigned authority, personally came and appeared: _____
Ryan E. Burks, (Affiant) who after being by me duly sworn, deposed and said that
he/she is the fully authorized President of RYCARS Construction,LLC (Entity),
the party who submitted a bid in response to Bid Number 50-00139386, to the Parish of
Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B X there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

Choice B x There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

[The remainder of this page is intentionally left blank.]

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.



Signature of Affiant

Ryan E. Burks

Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME

ON THE 1st DAY OF September, 2022.



Notary Public

Claudette Madere

Printed Name of Notary

84527

Notary/Bar Roll Number

My commission expires Life.





The Source for Commercial Roofing

Certification of Signature Authority

Be it known that as of March 12, 2022 the Members and Managers of RYCARS Construction, LLC (a Louisiana organized limited liability company) hereby authorizes and empowers its Member, Ryan E. Burks to negotiate for and sign any and all bid proposal documents and/or contracts which this Limited Liability Company might enter into for the furnishing of services for the Company under such terms, conditions and stipulates, and for such consideration as he might deem to the best interest of the Company.

Respectfully,
RYCARS Construction, LLC

Ryan E. Burks
Managing Member

Company Seal



Corporate Office
503 Coleman Place
Kenner, Louisiana 70062
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3450 Buffington Center • Suite B
Atlanta, Georgia 30349
Telephone • 404.209.9991
Facsimile • 404.209.9936

Austin Office
316 W 12th Street, 6th Floor
Austin, Texas 78701
Telephone • 512.650.0212

CORPORATE RESOLUTION

RYCARS CONSTRUCTION, LLC IS A LIMITED LIABILITY COMPANY
SEE THE ATTACHED CERTIFICATE OF SIGNATURE AUTHORITY

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF
N/A

INCORPORATED.

AT THE MEETING OF DIRECTORS OF _____ N/A
INCORPORATED, DULY NOTICED AND HELD ON N/A,
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT
WAS:

RESOLVED THAT _____ N/A, BE AND IS HEREBY
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,
CONTRACTS AND ACTS AND TO RECEIVE ALL PURCHASE ORDERS AND NOTICES
ISSUED PURSUANT TO THE PROVISIONS OF ANY SUCH BID OR CONTRACT, THIS
CORPORATION HEREBY RATIFYING, APPROVING, CONFIRMING, AND ACCEPTING
EACH AND EVERY SUCH ACT PERFORMED BY SAID AGENT AND ATTORNEY-IN-
FACT.

I HEREBY CERTIFY THE FOREGOING TO BE
A TRUE AND CORRECT COPY OF AN
EXCERPT OF THE MINUTES OF THE ABOVE
DATED MEETING OF THE BOARD OF
DIRECTORS OF SAID CORPORATION, AND
THE SAME HAS NOT BEEN REVOKED OR
RESCINDED.

N/A

SECRETARY-TREASURER

9/1/2022

DATE

State of  Louisiana

State Licensing Board for Contractors

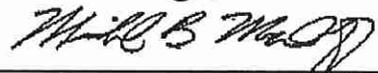
This is to Certify that: RYCARS CONSTRUCTION, LLC
P. O. Box 370
Kenner, LA 70063

is duly licensed and entitled to practice the following classifications

BUILDING CONSTRUCTION; SPECIALTY: ROOFING AND SHEET METAL, SIDING



Witness our hand and seal of the Board dated,
Baton Rouge, LA 17th day of May 2022



Director



Chairman

Expiration Date: May 16, 2023

License No: 39349

This License Is Not Transferrable



Treasurer



August 17, 2022

Rycars Construction LLC
503 Coleman Pl
Kenner, LA 70062
(504) 305-5309

Subject: Contractor Certification

To Whom It May Concern:

This is to confirm that Rycars Construction LLC of Kenner, LA is a GAF Master Roofing Contractor for Single Ply, United Coatings™, RUBEROID® and GAFGLAS® Roofing Systems. Rycars Construction LLC is eligible to obtain a GAF Diamond Pledge (NDL) guarantee for up to 20 years provided that all current GAF application and specification requirements are met and procedures followed.

If you have any questions please call 1-800-766-3411. Thank you for choosing GAF.

Sincerely,

A handwritten signature in black ink, appearing to read "James Schnepfer". The signature is fluid and cursive, with a large loop at the end.

James Schnepfer
President and Chief Executive Officer

A handwritten signature in black ink, appearing to read "Bobby Fischer". The signature is cursive and stylized, with a prominent "B" and "F".

Bobby Fischer
Vice President, Contractor Programs



UNISIL HS & UNISIL HS II QUICK SPEC

SMOOTH ASPHALTIC (UH-5)



NOTE: The following “Quick Spec” is an abbreviated specification and is not meant to replace the detailed specification. Read the entire 3-Part CSI System Specification prior to starting the project. Non-job specific 3-Part CSI System Specifications are available at www.gaf.com.

Method Spray, roller, or brush

- Requirements**
- Moisture survey required.
 - Roof must be clean, dry, and tight.
 - Adhesion test required to ensure proper adhesion to substrate(s).
 - Apply at 40°F (5°C) and rising with no rain, dew, fog or freezing temperatures in forecast for 24 hours.
 - GAF recommends that the surface temperature be at or less than 110°F (43°C) during application.
 - GAF recommends that new asphaltic membranes and repairs age at least 30 days; 90+ days is ideal.
 - Do not apply over gravel surfaced asphaltic substrate.

- Application Instructions**
1. Before applying Unisil HS or Unisil HS II, an adhesion test is required to ensure an adhesion minimum of 2.0 pounds per linear inch (PLI). Test patches to be applied with rates listed below.
 2. Conduct moisture survey and remove/replace all wet areas.
 3. Repair membrane including seams, penetrations, flashings, curbs, and terminations with like materials.
 4. Power wash roof to ensure it is free of dirt, debris, oil, and other contaminants that could negatively affect adhesion. United Cleaning Concentrate (UCC) is recommended to clean the roof. Allow roof to completely dry.
 5. Prime using Unisil Primer.
 6. Treat all roof penetrations, drains, curbs, and scuppers.
 7. Treat all "alligatored" areas or surface cracks.
 8. All loose seams must be 3-coursed with flashing grade and fabric. All other seams must be treated with flashing grade only, no fabric required.
 9. Apply coating per the chart below:

SEAMS & DETAILS UNISIL HS & UNISIL HS II			
Treatment Type	Product	Total (Gal/Sq)	DFT* (mils)
3-Coursed Rates	Unisil Silicone Flashing and Fabric	2.50	44
Flashing Grade Only Rates	Unisil Silicone Flashing	1.25	19

SMOOTH ASPHALTIC UNISIL HS & UNISIL HS II				
Warranty Term	Total		Warranty	
	Gal/Sq [‡]	DFT* (mils)	Emerald Pledge	Diamond Pledge
10 Year	1.75	27	Yes	No
15 Year	2.25	35	Yes	No
20 Year	2.75	42	Yes	No

* Dry Film Thickness (DFT) is rounded to nearest mil, and is theoretical. Actual DFT will vary dependent on substrate profile, application technique and waste factor.

Note: DFT for 3-coursed rates includes 6 mils for the fabric.

[‡]Coating may be applied at the maximum rate of 2.25 gal/sq per pass, as long as the substrate and slope conditions allow. Maximum slope cannot exceed 2:12.



Unisil HS Roof Coating

Technical Data Sheet

BASIC USES & ADVANTAGES

United Coatings™ Unisil HS Roof Coating is designed to be applied over SPF insulated concrete, metal, and ambient and hot tanks. It is built for protecting a wide range of substrates from the effects of moisture intrusion and weathering, and is particularly effective as a protective coating over polyurethane foam on new or existing roofs.

Unisil HS Roof Coating is a single-component elastomer that exhibits a rapid cure when exposed to ambient conditions.

Advantages:

- Long-term elastomeric properties from sub-zero temperatures to high heat
- Resistance to weathering – No deleterious effects on coating after 5,000 hours of continuous exposure
- Low VOC

PHYSICAL PROPERTIES

UNISIL HS ROOF COATING	
Solids by Weight	96% (±2) [ASTM D1644]
Solids by Volume	96% (±2) [ASTM D2697]
Flash Point (CDC)	290°F (143°C) [ASTM D92]
Dry Time to Walk On	2 – 4 hours @ 75°F (24°C), 50% R.H.
Tensile Strength	330 psi (2.3 MPa) (±25) [ASTM D2370]
Elongation	200% (±10) [ASTM D2370]
Hardness	45–55 Shore A [ASTM C661]
Permeance	5.9 US Perms @ 30 mils (762 microns) [ASTM E96, Procedure B]
VOC	<50 g/L [ASTM D3960]
Specific Gravity	1.29 @ 77°F (25°C) [ASTM D1875]
Flexibility After Weathering	After 5,000 hours exposure in the QUV Accelerated Weathering Cabinet, Unisil HS Roof Coating retains its ability to withstand multiple 1" (25.4 mm) mandrel bends at 2°F (-17°C) without cracking. [ASTM D4338]
Solar Reflective Index (SRI)	110 - Unisil HS White [ASTM E1980]
Emissivity	0.89 - Unisil HS White [ASTM C1371]

Application Temperature	40°F – 105°F (5°C – 40°C) (air, surface)
Dry Time (Touch) (Light rain & foot traffic)	White @ 5 hours @ 70°F (21°C) 50% R.H. @ 16 wet mils (0.41 mm)
Water Absorption	0.1% weight gain after 2 weeks immersion at 75°F (24°C) [ASTM C1371 / ASTM D471]
Temperature Limits for Normal Service Conditions	-80°F to 350°F (-62°C to 177°C) Max 185°F (85°C) continuous temperature
High-Temperature Stability	Tested in thermostatically controlled heat chamber. Will not age, harden, or slump at temperatures up to 350°F (177°C). [ASTM D794]
Low-Temperature Flexibility	Capable of withstanding 180° bends over a 1" (25 mm) mandrel @ 2°F (-17°C). [ASTM C734]
Resistance to Freeze-Thaw	Test panels exposed to freeze-thaw cycles under complete immersion in deionized water. Cycles consisted of 16 hours at 0°F (-18°C) and 8 hours at 70°F (21°C). After 4 complete cycles, the physical integrity of the coating remained unaffected. There was no loss of adhesion and no blistering or softening.
Standard Colors	White, Light Gray, Gray, Light Tan, and Tan.

APPLICATION INFORMATION

Substrate Preparation: Surfaces to be coated shall be completely dry and free of any degraded foam, grease, oil, dirt, or other contaminants that could interfere with proper adhesion. Any physical damage shall be repaired before coating application commences.

Mixing: Mix containers with an air-driven power mixer, taking care not to incorporate air into the product. Use immediately to avoid reacting in the container with trace amounts of moisture. Containers that have been stored for any length of time may develop a skin/film on top of the coating; this should be removed prior to mixing.

Application: United Coatings™ Unisil HS Roof Coating is best suited for airless sprayer equipment. Apply evenly at a rate of 1 gal/100 ft² (4.1 L/10 m²) per coat. Each coat shall be applied in a direction perpendicular to the previous coat. Edges of flat roof areas shall be pre-coated in a "picture frame" configuration.

The best adhesion of subsequent layers will occur when the initial layer of silicone is dry enough to walk on. Silicones are moisture-cured, therefore increased humidity will shorten dry times and low humidity will extend dry times. Regardless of conditions, the period of time between coats must not exceed 24 hours.



PRODUCT DESCRIPTION

United Coatings™ Unisil HS Roof Coating is a high-solids, moisture-cure silicone coating that provides superior weatherproofing, ultraviolet resistance, biological resistance, and fire retardancy over polyurethane foam insulation and other appropriate substrates. The pure silicone polymers are naturally fire retardant to provide long-term fire resistance, while the tight surface finish affectively resists the attachment of algae, mildew, and mold organisms.

PACKAGING & SHELF LIFE

5-gallon (18.9 liter) pail
50-gallon (189 liter) drum

Shelf Life: 18 months from date of manufacture in unopened containers, if stored properly in a clean and well-ventilated area at 40°F – 90°F (4°C – 32.2°C). Storage outside this temperature range may shorten shelf life. Keep containers covered when not in use. Do not allow coating to freeze.

GAF Liquid-Applied

December 2016, supercedes January 2016

For technical, system, and warranty information, visit gaf.com or call 1-800-766-3411.

continued on next page



Unisil HS Roof Coating

Technical Data Sheet

PERFORMANCE PROPERTIES

ASTM D6694-08	Meets the requirements contained in ASTM D6694 "Standard Specification for Liquid-Applied Silicone Coating Used in Spray Polyurethane Foam Roofing Systems."
UL 790 Class A Fire Testing	UL Rated.
Building Code Acceptance	Accepted by all major model building code authorities for Class "A" construction, including: the Uniform Building Code (UBC), Building Officials and Code Administrators (BOCA), and Southern Building Code Authority (SBCA). Also Miami-Dade County Product Control approved.
CRRC, CA Title 24, ENERGY STAR [®] Certified (U.S. only)	CRRC Rated Rated by the Cool Roof Rating Council (CRRC) for use in Title 24 Projects ENERGY STAR [®] Certified (U.S. only)
ICC-ESL for Liquid-Applied Roofing	ICC-ES Listing



APPLICATION INSTRUCTIONS, CONT'D

Spray Application: Apply product with an airless sprayer, covering the surface at an even rate. Use an airless spray pump with a 3 gallon-per-minute (11 L/minute) output and 3,500 psi (24,138 kPa) pressure capability, fed with 5:1 transfer pumps. Use a reversible, self-cleaning tip with orifice size 0.030" (0.76 mm) and a fan angle of 50°. Filter screens should be 30 mesh or larger. Use a 1/2" (12.7 mm) minimum inside diameter hose. Minimum of 1 coat. Apply subsequent coats of **United Coatings™ Unisil HS**

Roof Coating as soon as the previous coat is completely dry and within 24 hours to avoid inter-coat delamination. All surfaces must be uniformly coated and free from voids, pinholes, or blisters.

For Application Questions: Contact GAF Technical Services at 1-800-766-3411 or visit gaf.com.

Applicable Standards: ASTM D1644, ASTM D2697, ASTM D92, ASTM D2370, FM 4470

LIMITATIONS & PRECAUTIONS

United Coatings™ Unisil HS Roof Coating is affected by moisture and must be protected from moisture contamination. Keep all containers tightly closed during storage. Containers are factory sealed with an inert gas to prevent contamination. After opening, if all material is not to be used, containers must be purged with nitrogen or dry air and tightly sealed to protect from moisture contamination. Remove any skin prior to mixing the material. Keep cleaning solvents away from all sources of heat, sparks, flame, light-

ed smoking materials, and any other ignition source. Use explosion-proof mixing equipment that has been grounded and bonded. If used in cryogenic storage or cold-temperature storage applications, a vapor barrier must be applied prior to **Unisil HS Roof Coating**. Not recommended for immersion conditions. **Unisil HS Roof Coating** is slippery when wet, as are loose roofing granules. Exercise caution when walking on a roof under these conditions.

SAFETY & HANDLING

If used indoors, provide mechanical exhaust ventilation. **United Coatings™ Unisil HS Roof Coating** is not recommended for interior application. Avoid contact with eyes and contact with skin. Adequate precautions must be taken when applying **Unisil HS Roof Coating** to occupied buildings to ensure that air conditioners and ventilation units are turned off and covered to prevent solvent vapors from entering the building. Windows should also be kept closed. Signs should be posted around the area to advise building occupants or visitors of the spray activity.

If personal exposure concentrations cannot be maintained below the appropriate OSHA/NIOSH exposure limits using engineering controls or natural ventilation, an approved respirator may be appropriate based on employer-determined exposure levels.

For additional information, refer to OSHA guidelines and product Safety Data Sheet (SDS).

CLEAN-UP

Clean equipment and overspray with water before curing. If coating has hardened, clean with Naptha. Clean hands with soap and water or waterless hand cleaner.



Unisil Primer

Product Data Sheet



PRODUCT DESCRIPTION

Unisil Primer is a two-component, water-based, 1 to 1 ratio primer specifically designed for optimizing the adhesion of Unisil HS Roof Coating over a variety of roofing substrates.

It is also effective at increasing the bond of acrylic, polyurethane, butyl, and silicone coats over most new or existing roof, deck, and wall substrates, as well as existing coatings. **Unisil Primer** is safe to use, has very little odor, and is easy to clean up.

PACKAGING & SHELF LIFE

Part A: 5-gallon (19 liter) pail
Part B: 5-gallon (19 liter) pail

Shelf life 12 months if unopened containers stored between 50°F and 100°F (10°C and 38°C). Do not open containers until ready to use the material.

BASIC USES & ADVANTAGES

Unisil Primer is recommended for use over concrete, metal, wood, most single-ply membranes, and existing coatings. Although it will greatly enhance the adhesion of Unisil HS and various other top coats over metal surfaces and bonds to all metals, **Unisil Primer** is only recommended for use on non-ferrous metals, galvanized, aluminum, galvalume, and coated steel.

Advantages:

- **Adhesion:** **Unisil Primer** has the ability to chemically react with many substrates, forming a tenacious bond that will not be affected by water.
- **Unisil Primer's** water-based epoxy tolerates damp & cool conditions, seals surfaces, and stops asphalt bleed-through.
- **Versatile:** A high-build epoxy primer that can fill voids, yet wet into porous surfaces.
- **Chemical Resistance:** **Unisil Primer** achieves a high surface hardness, providing excellent alkali resistance and fair resistance to acids. Two coats will provide excellent resistance to gasoline, oils, and solvents.
- **Water-Based:** **Unisil Primer** is non-flammable and non-hazardous, and has a "not regulated" D.O.T. shipping classification; it can be cleaned up with soap and water.

PHYSICAL PROPERTIES

UNISIL PRIMER	
Solids by Weight	60% (±2) (ASTM D1644)
Solids by Volume	42% (±2) (ASTM D2697)
Weight per Gallon	11.7 lb (5.3 kg), as mixed A&B (ASTM D1475)
Flammability	Non-flammable
VOC	<100 g/L, as mixed A&B (EPA Method 24)

Temperature Limit for Normal Service	-40°F to 180°F (-40°C to 82°C)
Dry Time to Touch	1 hour @ 75°F (24°C), 50% RH (ASTM D1640)
Cure Time*	24+ hours @ 75°F (24°C), 50% RH (ASTM D1640) <i>*high humidity and/or low temperature will slow cure and recoat times</i>
Color	Part A is white, Part B is black to dark grey; the combined product is Medium Gray.

APPLICATION INSTRUCTIONS

MIXING: **Unisil Primer** is a two-component material available in 5-gallon (19-liter) pails. Mixing ratio is 1:1. Mix each component individually, then combine both components and mix until a uniform consistency is achieved. Once mixed the usable pot life is 2 hours at 75°F (24°C). The pot life can be extended to 3 hours by adding a small amount of water to achieve the original consistency. Do not use any material that has been mixed for more than 4 hours. Avoid overmixing, as product will thicken.

APPLICATION: **Unisil Primer** may be applied by brush, roller, or spray. Any airless spray equipment capable of 2,000 psi (13,789 kPa) and 1 gallon per minute (3.8 L/minute) delivery can be used. A reversible, self-cleaning spray tip with an orifice size of .015" to .021" (.4 mm to .5 mm) and minimum 40-degree fan angle is recommended.

SUBSTRATE	COVERAGE RATE
Smooth Asphalt	100-150 ft ² /gal (2.45-3.68 m ² /L)
Granulated Modified	75-100 ft ² /gal (1.84-2.45 m ² /L)
Concrete	150-200 ft ² /gal (3.68-4.9 m ² /L)
Lightweight Concrete	100-150 ft ² /gal (2.4-3.7 m ² /L)
Wood	300 ft ² /gal (7.3 m ² /L)
Metal	300-400 ft ² /gal (7.3-9.8 m ² /L)
Smooth Single Ply <i>*EPDM, TPO, PVC, Hypalon*</i>	300 ft ² /gal (7.36 m ² /L)

Note: Unisil Primer is not designed to form a heavy surface film. Overapplication will reduce adhesion strength.

GAF Liquid-Applied

March 2016, supersedes January 2016

For technical, system, and warranty information, visit gaf.com or call 1-800-766-3411.

continued on next page



LIMITATIONS & PRECAUTIONS

Unisil Primer will freeze and become unusable below 32°F (0°C). Do not ship or store unless protection from freezing is available. Do not apply if conditions will not permit complete cure before rain, dew, or freezing temperatures occur. Do not apply in the late afternoon if moisture condensation can appear during the night. Do not apply **Unisil Primer** at temperatures below 50°F (10°C)

or above 130°F (54°C), or when the dew point is less than 5°F (3°C) above the ambient temperature.

Unisil Primer will chalk and yellow upon extended exposure to UV. It is not designed for continuous exterior use without a top coat.

SAFETY & HANDLING

Unisil Primer may be an irritant to skin. Avoid contact with eyes and skin. Use soap and water to thoroughly clean any skin areas that come in contact with the primer. If irritation persists, undiluted vinegar is effective as a neutralizing agent. If **Unisil Primer** comes in contact with the eyes,

flush with water and call a physician. Avoid breathing of vapor or spray mist. Approved OSHA/NIOSH chemical cartridge respirator must be worn by applicator. For additional information, refer to OSHA guidelines and product Safety Data Sheet (SDS).

CLEAN UP

Use water and **UCC (United Cleaning Concentrate)** or equal to thoroughly flush equipment. Purge the water from the system using solvent. Leave solvent in the lines and equipment until next use.



UCC - United Cleaning Concentrate

Product Data Sheet



PRODUCT DESCRIPTION

United Cleaning Concentrate (UCC) is a highly effective cleaning agent and de-greaser that, when combined with water, penetrates the existing coating or substrate and allows contaminants to be flushed from the surface. **UCC** performs at a very high level, with cleaning and pore-penetrating capabilities exceeding most products available today.

PACKAGING & SHELF LIFE

1 gallon (3.8 liter) bucket
5 gallon (19 liter) pail

Shelf life 18 months if unopened containers stored between 40°F and 70°F (4°C - 21°C).

GAF
1 Campus Drive
Parsippany, NJ 07054
1-800-ROOF-411
gaf.com

GAF Liquid-Applied

January 2016, supercedes March 2014

For technical, system, and warranty information, visit gaf.com or call 1-800-766-3411.

BASIC USES & ADVANTAGES

United Cleaning Concentrate (UCC) was especially developed for the proper cleaning of existing elastomeric coating on roofs, metal surfaces, concrete and masonry substrates, as well as uncoated roof, deck and wall surfaces. UCC has excellent cleaning capabilities with all types of coatings including acrylic, polyurethane, and Hypalon®. Properly applied, UCC penetrates the old coating, lifting oxidized material, dirt, grease, and other contaminants into suspension for easy flushing from the substrate, leaving behind an acceptable surface for (re) coating.

UCC is non-toxic. The UCC Safety Data Sheet (SDS) supplies pertinent information and is considered an integral part of this document. UCC complies with most VOC regulations and requirements.

Advantages:

- **Biodegradable:** United Cleaning Concentrate (UCC) is biodegradable, which allows for proper cleaning of substrates where washing with hazardous cleaning products would not be permitted prior to (re)coating.
- **Open Dry Time:** UCC will remove dirt, pollutants and other contamination build-up even if the product dries prior to rinsing.
- **Environmentally Safe:** UCC will not harm plants even in its concentrated form, nor will life cause.
- **Agency Approvals:** UCC meets all the requirements of USDA and FDA standards, and is also OSHA compliant.

APPLICATION INSTRUCTIONS

1. For optimum results, **United Cleaning Concentrate** should be diluted at a 1 to 10 ratio with water. Accordingly, 5-gallons (19 liters) should be mixed with 50-gallons (189 liters) of water in a 55-gallon (209 liter) drum.
2. Apply the diluted cleaning solution to the substrate under low pressure at the rate of 150–200 ft² per gallon (3.7 to 4.9 m²/l). Allow the solution to stand for a minimum of 15 minutes. Low areas and depressions in the substrate having excessive dirt build-up may require additional solution and/or scrubbing with a stiff-bristled broom. Extremely stubborn areas may require treatment with a more concentrated dilution.
3. For best results, rinse the surface with water under high pressure, utilizing either conventional spray or pressure washing equipment. Attach a wand or extension to the high pressure hose and use a standard coating spray tip to achieve maximum cleaning of the substrate. Repeat rinsing as required to remove all cleaning solution.
4. Allow the substrate to completely dry prior to the application of any coating materials.

GAF requires thorough cleaning of existing substrates prior to the application of new elastomeric coatings. Accordingly, GAF strongly endorses the use of approved cleaning procedures for warranties issued by the manufacturer upon completion and acceptance of the project. **United Cleaning Concentrate** is recommended in lieu of all other types of cleaning solutions, detergents, TSP (Trisodium Phosphate) or simple high pressure water washing.

Use **United Cleaning Concentrate** to clean:

- Existing roof coatings
- Existing deck coatings
- Existing wall coatings
- Metal roof and wall surfaces
- Concrete deck surfaces
- Concrete and masonry wall surfaces

SAFETY & HANDLING

For specific information regarding safe handling of this material please refer to the Safety Data Sheet (SDS).

See applicable warranties and guarantees for complete coverage and restrictions.



Roof Mate™ Fabric

Technical Data Sheet



PRODUCT DESCRIPTION

United Coatings™ Roof Mate™ Fabric is stitch-bonded polyester fabric designed for reinforcement of **United Coatings™ Roof Mate™ Coatings** in roofing and flashing applications of all types. It increases the long-term strength of the system, allowing the stresses of normal building movement to be spread over a wider area. **Roof Mate™ Fabric** offers a combination of high-strength properties and good elongation for excellent thermal stress resistance. The fabric is very pliable and is designed to conform to irregular and dissimilar surfaces more easily than other soft fabrics. **Roof Mate™ Fabric** has high absorption capability, allowing it to easily wet into and become encapsulated by the acrylic coating, forming tough, waterproof details or overall reinforcement.

PACKAGING

United Coatings™ Roof Mate Fabric is available in 4" (102 mm), 6" (152 mm), 12" (305 cm), and 40" (1016 mm) width by 324' (99 m) length rolls.

GAF
1 Campus Drive
Parsippany, NJ 07054
1-800-ROOF-411
gaf.com

GAF Liquid-Applied

December 2016, supersedes January 2016

For technical, system, and warranty information, visit gaf.com or call 1-800-766-3411.

BASIC USES & ADVANTAGES

United Coatings™ Roof Mate™ Fabric is designed to reinforce large roof areas that are heavily alligatored or contain numerous cracks, seams, joints, or splits. It can be applied to asphaltic roofing, metal, concrete, wood, Hypalon®, and SPF substrates. **Roof Mate™ Fabric** was designed for use with **United Coatings™ Roof Mate™ Base Coat** to reinforce flashing details, roof penetrations, and seams.

Advantages:

- 100% polyester reinforcement for penetrations
- Easily conforms around penetrations
- Improves strength while maintaining flexibility

PHYSICAL PROPERTIES

UNITED COATINGS™ ROOF MATE™ FABRIC	
Weight	3 oz. per square yard [ASTM D3776]
Mullen Bursting Strength	144 lbs./inch ² (992.8 kPa) [ASTM D3786]
Tear Strength (Trapezoid)	16 lbf length, 24 lbf width [ASTM D5733]
Application Temperature	Refer to limitations of Roof Mate™ Top Coat

Breaking Force (1" [25 mm] cut strip)	42 lbf length, 0.27 lbf width [ASTM D5035]
Elongation at Break (1" [25 mm] cut strip)	28% length, 61% width [ASTM D5035]

APPLICATION INSTRUCTIONS

Substrate Preparation: As a minimum, clean and prepare existing surfaces to receive **United Coatings™ Roof Mate™ Coatings** by removing all loose and flaking particles, grease, and laitance with the use of a stiff bristle push broom and or washing. Care should be taken not to inject water into the substrate during washing. In some cases, additional drying time may be required after the cleaning process.

Application: **United Coatings™ Roof Mate™ Fabric** should be installed as required after application of any primers or caulk, and prior to application of the coating on the field of the roof. Cut the fabric to the desired length. Slit the bottom half of fabric used around vent pipes and other circular protrusions so that it lies flat. Immediately embed fabric into wet coating and work it with a brush so that it is saturated with coating. All reinforcement fabric shall be 100% adhered to the substrate, with no tenting or air pockets.

Roof Mate™ Fabric is embedded into a wet base coat of **United Coatings™ Roof Mate™ Top Coat**, **United Coatings™ Roof Mate™ Base Coat**, **United Coatings™ Roofshield™ Coating**, or other elastomeric base coat applied at 1 – 2 gallons/100 ft² (4.1 – 8.2 L/10 m²), depend-

ing on the surface profile. This should produce a 6 – 14" (152 – 356 mm) wide strip-coat of coating at a 15 – 20 mils (0.38 – 0.51 mm) thickness over areas to be treated. The fabric is worked into the base coat with a broom or roller so that it is completely saturated. It is then top-coated with additional coating at 1 – 1.5 gallons/100 ft² (4.1 – 6.1 L/10 m²) to totally encapsulate the fabric covering the fabric at a 15 – 20 mils thickness. Overlap edges of fabric a minimum of 2" (51 mm) on each edge.

UniBase Application: If using **UniBase Primer** to encapsulate the **Roof Mate™ Fabric**, it is applied at the rate of 2 – 4 gallons/100 ft² (8.2 – 16.3 L/10 m²), by airless spray or roller, from the top side of the fabric. Distribute the **UniBase Primer** evenly throughout the fabric using a roof brush, eliminating any wrinkles, gaps, or air pockets.

Metal Fasteners Application: **Roof Mate™ Fabric** shall be X'd or heat-melted when applied over fastener heads on metal roofs so that it lies flat.

For Application Questions: Contact GAF Technical Services at 1-800-766-3411 or visit gaf.com.

Applicable Standards: ASTM D3776, ASTM D3786, ASTM D5733, ASTM D5035

SAFETY & HANDLING

Keep **United Coatings™ Roof Mate™ Fabric** in a clean, dry location. For specific information regarding safe handling of this material, please refer to the Safety Data Sheet (SDS).

See applicable warranties and guarantees for complete coverage and restrictions.



Unisil Silicone Flashing

Technical Data Sheet



BASIC USES & ADVANTAGES

United Coatings™ Unisil Silicone Flashing was designed to seal irregular roof penetrations that cannot be covered with standard sprayers. Unisil Silicone Flashing can be applied over structural concrete, modified bitumen, single ply, metal, and smooth BUR without the use of primers.

Advantages:

- High solids
- Low odor
- Brush Grade

PRODUCT DESCRIPTION

United Coatings™ Unisil Silicone Flashing is a thick, high-build silicone sealant. Unisil Silicone Flashing features include low odor, an easy application, a fast moisture cure, and adheres to a variety of substrates.

PACKAGING & SHELF LIFE

2-gallon (7.6 liter) pail

Shelf life 18 months from date of manufacture in unopened containers, if stored properly in a clean and well-ventilated area at 50°F – 90°F (10°C – 32°C). Storage outside this temperature range may shorten shelf life. Keep containers covered when not in use. **DO NOT** allow material to freeze.

PHYSICAL PROPERTIES

UNITED COATINGS™ UNISIL SILICONE FLASHING	
Solids by Weight	93% ± 3%
Solids by Volume	95% ± 3%
Weight per Gallon	10.6 lb/gal
VOC	<50 g/L
Tensile Strength	130
Elongation	275

Cure Time	12 – 18 hours
Application Temperature (Air)	40°F (5°C) and rising
Application Temperature (Surface)	40°F – 110°F (5°C – 43°C)

APPLICATION INSTRUCTIONS

Substrate Preparation: Roof must have positive drainage with no moisture trapped in the roof assemblies. Roof substrate must be clean, completely dry, and free from any foreign matter. Check for any roof damage, including all flashings and penetrations, and repair before coating application commences. See gaf.com for more information.

Mixing: United Coatings™ Unisil Silicone Flashing is a ready-to-use material; however, some settling of material may have occurred during shipment and storage. Containers that have been stored for any length of time may develop a skin/film on top of the flashing; this should be removed prior to mixing. Take care not to incorporate air into the product. Mix prior to use with a 3/4 horsepower or greater mixer with a blade capable of uniformly mixing the entire container. Use immediately to avoid trace amounts of moisture from causing a reaction in the container.

Application: United Coatings™ Unisil Silicone Flashing may be applied by brush or trowel. Apply evenly at a rate of 1.25 gallons/100 ft² (5.10 L/10 m²) per coat. A minimum of 2 coats should be applied and reinforced with fabric. Apply additional coats as soon as the previous coat is dry enough to walk on. This time should not exceed 24 hours to ensure proper adhesion. Total coverage is dependent on the substrate. Smooth substrates may require less coating, while rough or porous substrates may require more coating.

For Application Questions: Contact GAF Technical Services at 1-800-766-3411 or visit gaf.com.

LIMITATIONS & PRECAUTIONS

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

- Do **NOT** apply on wet substrates.
- Do **NOT** heat container.
- Do **NOT** attempt to thin product.

- Do **NOT** apply if rain, dew, fog, heavy moisture condensation, or freezing temperatures are in the 24-hour forecast.

GAF Liquid-Applied

March 2018

For technical, system, and warranty information, visit gaf.com or call 1-800-766-3411.

continued on next page



Unisil Silicone Flashing

Technical Data Sheet

Page 2 of 2

SAFETY & HANDLING

For specific information regarding safe handling of this material, please refer to the Safety Data Sheet (SDS).

CLEANUP

Use mineral spirits to thoroughly clean equipment. If flashing has hardened, clean with mineral spirits.



LIQUID-APPLIED DIAMOND PLEDGE™ NDL GUARANTEE

No. _____



OWNER: _____ PERIOD OF COVERAGE: _____ YEARS

NAME AND TYPE OF BUILDING: _____

ADDRESS OF BUILDING: _____

SPECIFICATION: _____ AREA (SQ FEET): _____

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 repair leaks through the roof deck or balcony (the "Deck") containing United Coatings™ Surface Seal SB Roof Coating, United Coatings™ Rhino Top Smooth Coating or Textured Coating, HydroStop™ TrafficCoat Deck Coating, United Coatings™ Elastuff™ 101 Base Roof Coating, or United Coatings™ Elastuff™ 103 Roof Coating (the "GAF Products") resulting from a manufacturing defect, ordinary wear and tear, or workmanship in applying the GAF Products.

There is no dollar limit on covered repairs. Leaks caused by any non-GAF materials are not covered.

GUARANTEE PERIOD

This guarantee ends on the expiration date listed above.

OWNER RESPONSIBILITIES

Notification of Leaks

In the event of a leak through the GAF Products, you **MUST** make sure that GAF is notified directly about the leak, in writing, within **30 days** of discovery of a leak by email (preferred) at guaranteelink@gaf.com or by postal mail to GAF Guarantee Services, One Campus Drive, Parsippany, NJ 07054, or GAF will have no responsibility for making repairs. **NOTE:** The contractor is **NOT** an agent of GAF; notice to the 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 of the Deck and keep records of this work.
- To keep this guarantee in effect, you must repair any conditions in the building structure or substrate that are not covered by this guarantee but that GAF concludes may be threatening the integrity of the Deck containing the GAF Products. Failure to make timely repairs may jeopardize guarantee coverage.
- 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 Products.
- 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:

- Damages to the GAF Products resulting from anything other than an inherent manufacturing defect in the GAF Products, such as (a) faulty application or application that is not in strict accordance with GAF published application instructions, including surface/substrate preparation; (b) chemical attack on the GAF Products including, but not limited to, exposure to grease, oil, or solvents; (c) settlement, movement, or defects in the building, walls, foundation, or substrate material used as a base over which the GAF Products were applied; (d) defects in the design of the building; (e) improper or inadequate maintenance; (f) improper installation or failure of any non-GAF materials, including pre-existing coatings; (g) use of materials that are incompatible with the GAF Products; or (h) architectural, engineering, or design defects or flaws in the Deck or building.
- Damage to the GAF Products resulting from causes beyond normal wear and tear, such as (a) unusual weather conditions or natural disasters, including but not limited to, hail, floods, hurricanes, lightning, tornadoes, and earthquakes; or (b) improper storage or handling of the GAF Products.
- Conditions that prevent positive drainage or areas of the Deck that pond water.
- Any change in the color of the GAF Products, including, but not limited to, fading.
- Impact of foreign objects or physical damage caused by any intentional or negligent acts, accidents, misuse, abuse, or the like.
- Blisters in the GAF Products that have not resulted in leaks.
- Changes in the use of the conditioned space below the Deck or any repairs, modifications, or additions to the Deck after installation of the GAF Products is completed, unless approved in writing in advance by GAF.

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. GAF does not practice engineering or architecture. Neither the issuance of this guarantee, nor any review of the Deck containing the GAF Products (or the plans for the Deck), by GAF shall constitute any warranty of such plans, specifications, or construction or the suitability or code compliance of the GAF Products for any particular structure. **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 or extension of any of the terms and conditions of this guarantee.

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

NON-ASSIGNABILITY

This guarantee is **NOT TRANSFERABLE OR ASSIGNABLE** by contract or by 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 and exterior damages and/or mold growth.

The parties agree that, as a condition precedent to litigation, any controversy or claim relating to this warranty 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: GAF shall have no obligation under this guarantee unless and until all bills for installation and supplies have been paid in full to the contractor and materials suppliers, and the guarantee charge has been paid to GAF.

This guarantee must have a raised seal to be valid.

GAF
ONE CAMPUS DRIVE
PARSIPPANY, NJ 07054

By: _____
Authorized Signature Date