

DATE: 8/03/2022

Page: 6

BID NO.: 50-00139386

BID FORM
Non Public Works

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 _____ NO X

MAXIMUM ESCALATION PERCENTAGE REQUESTED N/A %

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF 11-01-2022

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

2 weeks after Contract

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

44981

THIS SECTION MUST BE COMPLETED BY BIDDER:

FIRM NAME: Brazos Industries, LLC

ADDRESS: 11950 Richcroft Ave.

CITY, STATE: Baton Rouge, LA ZIP: 70814

TELEPHONE: (225) 272-0428 FAX: (409) 948-1511

EMAIL ADDRESS: s.atkins@brazosurethane.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.

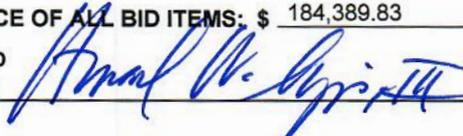
Acknowledge Receipt of Addenda: NUMBER: Addendum #1

NUMBER: Addendum #2

NUMBER: N/A

NUMBER: N/A

TOTAL PRICE OF ALL BID ITEMS: \$ 184,389.83

AUTHORIZED SIGNATURE: 

Howard W. Scoggins, III

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> <p>NEEDED TO COVER THE INSTALLATION OF A PURE ELASTOMERIC SILICONE COATING 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>\$184,367.00</p>	<p>\$184,367.00</p>
2	1.00	JOB	<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>	<p>\$ 22.83</p>	<p>\$ 22.83</p>

Non-Public Works Bid Affidavit Instructions

- **Affidavit is supplied as a courtesy to Affiants, but it is the responsibility of the affiant to insure the affidavit they submit to Jefferson Parish complies, in both form and content, with federal, state and parish laws.**
- **Affidavit must be signed by an authorized representative of the entity or the affidavit will not be accepted.**
- **Affidavit must be notarized or the affidavit will not be accepted.**
- **Notary must sign name, print name, and include bar/notary number, or the affidavit will not be accepted.**
- **Affiant MUST select either A or B when required or the affidavit will not be accepted.**
- **Affiants who select choice A must include an attachment or the affidavit will not be accepted.**
- **If both choice A and B are selected, the affidavit will not be accepted.**
- **Affidavit marked N/A will not be accepted.**
- **It is the responsibility of the Affiant to submit a new affidavit if any additional campaign contributions are made after the affidavit is executed but prior to the time the council acts on the matter.**

Instruction sheet may be omitted when submitting the affidavit

Non-Public Works Bid

AFFIDAVIT

STATE OF Texas

PARISH/COUNTY OF Galveston

BEFORE ME, the undersigned authority, personally came and appeared: Howard W. Scoggins III, (Affiant) who after being by me duly sworn, deposed and said that he/she is the fully authorized President of Brazos Industries, 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.

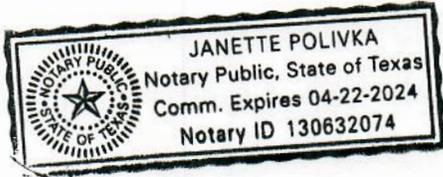
Affiant further said:

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.

Howard W. Scoggins III
Signature of Affiant



Howard W. Scoggins III
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME
ON THE 31st DAY OF AUGUST, 2022

Janette Polivka
Notary Public

JANETTE POLIVKA
Printed Name of Notary

130632074
Notary/Bar Roll Number

My commission expires 04/22/2024

CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF
Brazos Industries, LLC
INCORPORATED.

AT THE MEETING OF DIRECTORS OF Brazos Industries, LLC
INCORPORATED, DULY NOTICED AND HELD ON 07/21/2022,
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT
WAS:

RESOLVED THAT Howard W. Scoggins III, 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.

SECRETARY-TREASURER

09/01/2022

DATE

📍 600 North Street, Baton Rouge, 70802 📞 (225) 765-2301 📧 Text-To-Verify: 1 (855) 999-7896



Louisiana State Licensing Board for Contractors

Contractor Information

Business Name	BRAZOS INDUSTRIES, LLC
Mailing Address	11950 Richcroft Ave. Baton Rouge, LA 70814
Phone Number	(225) 272-0428
Fax Number	(225) 273-6894
Email Address	s.scoggins@brazosurethane.com
Website	http://

Active Licenses

License Number	44981
Type	Commercial License
Status	LICENSED
Effective	02/17/2021
Expiration	02/16/2024
First Issued	02/16/2006

Classifications

Class	Qualifying Party	Parishes
BUILDING CONSTRUCTION	Howard Wallace Scoggins III	ALL
BUSINESS AND LAW	Howard Wallace Scoggins III	ALL
SPECIALTY: ROOFING AND SHEET METAL, SIDING	Howard Wallace Scoggins III	ALL



PO Box 398
Irvington, AL 36544
800-771-6643
Fax: 251-479-3602

Monday, August 22, 2022

David Galloway
Brazos Industries
113 E. Main St.
Clute, TX 77531

RE: Contractor Approval for Brazos Industries

Dear David,

This letter is to certify that Brazos Industries is an AWS Approved Contractor as of 22 June 2020.

Should you have any questions or require additional information please contact American Weatherstar at (800) 710-6506 or by email at elong@weatherstar.net.

Sincerely,

Eric Long
Director of Technical Services
AMERICAN WEATHERSTAR
8095 Padgett Switch Rd.
Irvington, AL 36544
Ph: 800-309-6416
Fax: 251-479-3602
elong@weatherstar.net

GreenFabric

Polyester Stitch-Bonded Fabric



Overview

GreenFabric is a stitch-bonded, 100% polyester material made specifically for use with elastomeric coatings in roof membrane construction. Stitch-bonded polyester is one of the strongest fabrics available for adding reinforcement to seams, splits, joints, cracks, protrusions, and flashings. GreenFabric offers an unusual combination of high strength properties and good elongation for excellent thermal stress resistance. The fabric is very pliable and conforms to regular and dissimilar surfaces more easily than other soft fabrics. GreenFabric has high absorption capability, allowing it to easily wet into and become encapsulated by the liquid roofing membrane, forming tough, waterproof details or overall reinforcement. GreenFabric is used to reinforce detail areas such as seams, splits, drains, vents, and other penetrations through the roof surface.

Features and Benefits

- Excellent thermal stress resistance
- Pliable
- Provides reinforcement for detail areas

Installation

1. All surfaces must be dry and free from dirt, dust, grease, oil, pollution fallout, and any other contaminants that may interfere with proper adhesion.
2. 40" GreenFabric is embedded into a wet base coat of Green Shield's Acrylic, Silicone, or polyurethane basecoat at 1 to 2 gallons per 100 square feet (.4 to .8 l/m²), depending on the surface profile. The fabric is worked into the basecoat with a broom or roller so that it is completely saturated. It is then top coated with additional coating at 1 to 2 gallons per 100 square feet (.4 to .6 l/m²) to totally encapsulate the fabric. Overlap edges of fabric a minimum of 2" (5 cm) on each edge.
3. Install 4", 6", or 12" GreenFabric 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. Utilizing a roller or brush, apply a 6" to 14" (15 to 35 cm) wide strip-coat of coating, depending on fabric width, at 15 to 20 mils

(381 to 508 microns) thick over areas to be treated.

4. Immediately embed fabric into wet coating and work it with a brush or roller so that it is saturated with coating. Apply an additional 15 to 20 wet mils (381 to 508 microns) over the top to completely encapsulate the fabric. GreenFabric Reinforcing Fabric shall be X'd when applied over fastener heads on metal roofs so that it lies flat. All reinforcement fabric shall be 100% adhered to the substrate, with no tenting or air pockets.

Review Green Shield Products' specifications and details

Typical Physical Properties

Property	Test Method	GreenFabric
Fabric Weight	ASTM D3776	4 oz. per square yard
Mullen Burst Strength	ASTM D3786	144 lbs. per square inch
Tear Strength (Trapezoid)	ASTM D5733	16 lbf length, 24 lbf width
Breaking Force (1" cut strip)	ASTM D5035	42 lbf length, 27 lbf width
Elongation at Break (1" cut strip)	ASTM D5035	28% length, 61% width

Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.

Shipping Information

Size	Weight	Class
4" (10 cm) by 180' (91 m) rolls	3 lbs.	65
6" (15 cm) by 180' (91 m) rolls	5 lbs.	65
12" (30 cm) by 180' (91 m) rolls	9 lbs.	65
40" (1 m) by 180' (99 m) rolls	22 lbs.	65

DOT: Polyester Fabric, Not Regulated



Energy Efficient Building Product Solutions

877.GRN.SHLD

greenshieldproducts.com



GreenFibers

Micro Fibers



Overview

GreenFibers are micro-fine, high-tensile, polyethylene fibers used as a general thickener in silicone, acrylic, and urethane coatings to increase tensile strength, reduce sag, and thicken the coating into a roll or brushable mastic. Thicker materials allow for fabrication of cants and filling around irregular surfaces. The process can adapt the mastic product to the project's need and conditions. GreenFibers Micro Fibers can be added to silicone, acrylic, and urethane coatings to create an excellent repair material for hail and mechanical damages to spray polyurethane foam (SPF) and coated roofing systems.

Features and Benefits

- Easily mixed into pails of coating for thin to thick mastic-like-materials
- Ideal for repairs and rough substrates
- Improves bridging and tensile strength
- Easy to use
- Excellent sealer over fasteners, rough substrates, seams, details, and transitions

Installation

1. Mix GreenFibers into a pail of silicone, acrylic, or urethane coating material such that it is homogeneous and consistent before use. Mix only the needed amount to minimize waste and unused mastic.
2. For Roller Grade - Mix at 24 ounces (3 cups) GreenFibers Micro Fibers per gallon or 15 cups per 5 gallon pail of silicone, acrylic, or urethane coating.
3. For Brush Grade - Mix at 48 ounces (6 cups) per gallon or 30 cups per 5 gallon pail of silicone, acrylic, or urethane. This mixture works well for sealing penetrations, fasteners, and mechanical damages.
4. For Trowel Grade - Mix at 72 ounces (9 cups) per gallon or 45 cups per 5 gallon pail of silicone, acrylic, or urethane coating.

Review Green Shield Product's specifications and details for complete installation information. Please contact Green Shield Products for more information.

Precautions

- The shelf life of this product in unopened containers when stored in a dry location between 50°F and 100°F (10°C and 38°C) is indefinite.
- See Safety Data Sheet (SDS) for complete safety information.

Typical Physical Properties

Property	Test Method	GreenFibers
Specific Gravity	ASTM D1644	.0915 – .0965
Flash Point	ASTM D2697	665°F (352°C)
Melting Point		248°F - 271°F (120°C - 133°C)
Color		White

Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specific cation range for any particular property of this product.

Shipping Information

Container Size	Gross Weight	Class
5 Gallon Pail	5 lbs. (2.3 Kg)	125

D.O.T. Classification: Non-Regulated



Energy Efficient Building Product Solutions

877.GRN.SHLD

greenshieldproducts.com



GreenPrime BB

Bleed Block Primer



Overview

GreenPrime BB is a water-based, one-part primer that blocks bleed-through from modified bitumen and other asphaltic substrates. GreenPrime BB enhances coating adhesion and has low VOC levels. This product dries quickly and has excellent resistance to heat, cold, moisture, and weathering.

Features and Benefits

- May be used as a primer coat over modified bitumen, BUR, and other asphaltic substrates
- Compatible with a variety of porous and non-porous substrates including metal, concrete, masonry, and wood
- Easily applied with airless spray equipment, roller, or brush
- Blocks bleed-through from a variety of substrates
- Cures to form a tack-free coating
- Low VOC levels allow for application in most regulated areas
- Non-flammable

Coverage Rates

GreenPrime BB Primer has 55% solids by volume. Coverage rates vary depending on surface texture. For asphalt, bituminous, and granulated surfaces, coverage rates may vary from 0.7 to 1.0 gallons per square. Smoother surfaces may require 0.5 to 0.7 gallons per square. Porous surfaces and rough surfaces will require additional primer.

Installation

1. All surfaces to be primed must be clean, dry, sound, and free of contaminants. It may be necessary to power wash or otherwise clean the surface to enhance adhesion.
2. Metal surfaces that have some rusting or oxidation should have any loose scale removed with a grinder or wire brush as needed to remove surface contaminants.
3. Existing roof systems should be inspected for conditions that may adversely affect the adhesion or performance of the primer or coating system. Do not apply GreenPrime BB Primer to wet substrates, coal tar pitch, or Kynar surfaces. expected within 1 hour of application.
4. No thinning or reducing is recommended. Condition material at room temperature prior to application. Mix material in the container so that it is homogeneous and consistent before use.

5. This product may be sprayed, brushed, or rolled. Airless spray pump should be capable of a minimum 2,500 psi and output of 1.6 gallons (6.1 liters) per minute. Use a 0.19" to 0.25" orifice tip, depending on length of hose and spray pattern developed. Smaller areas can be addressed with a medium nap roller or brush. Porous substrates should be back rolled.
6. GreenPrime BB Primer will typically be tack free and cure in 2 to 6 hours. For best adhesion, allow to cure for 12 hours. Dry and cure times will vary depending on temperature, humidity, substrate, and application rate.
7. Clean equipment with water.

Review Green Shield Product's specifications and details for complete installation information. Please contact Green Shield Products for more information.

Precautions

- Do not apply GreenPrime BB Primer when ambient air and substrate temperatures fall below 45°F (7°C) or rise above 120°F (49°C) or when inclement weather is imminent.
- Do not leave primer exposed to elements for more than 72 hours, as weathering and dirt pickup may compromise adhesive performance.
- Do not apply when the dew point is less than 5°F above ambient temperature.
- The shelf life of this product in unopened containers when stored between 50°F and 100°F (10°C and 38°C) is 18 months from the date of manufacture.
- This product will freeze in temperatures below 32°F (0°C) and will be rendered unusable.
- Keep containers covered when not in use.
- See Safety Data Sheet (SDS) for complete safety information.



Energy Efficient Building Product Solutions

877.GRN.SHLD

greenshieldproducts.com



GreenPrime BB

Bleed Block Primer



Typical Physical Properties ¹

Property	Test Method	Result
Solids by Volume	ASTM D2697	55%
Liquid Density	ASTM D1475	9.3 lbs./gal
VOC	EPA Method 24	24 <50 grams/L
Cure time @ 75°F (24°C)		2-6 hours
Color		White, Gray and Tan Custom Colors are available for an additional charge.

Shipping Information

Container Size	Gross Weight	Class
5-gallon pail (18.9 L)	51 lbs. (23 .6Kg)	55
55-gallon drum (208.1 L)	551 lbs. ((252.7 Kg)	55
D.O.T. Classification: RoofCoating, Non-Regulated		
Protect from freezing (32°F/0°C) during shipping and storage		

¹ - Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.



Energy Efficient Building Product Solutions

877.GRN.SHLD
greenshieldproducts.com



GreenSil 100 HS

Silicone Coating



Overview

GreenSil 100 is a single-component, moisture-cured, fluid-applied silicone coating that is specially formulated to meet low-VOC requirements. Once cured, the silicone coating membrane offers excellent resistance to water intrusion, UV exposure, and natural weathering. This product is designed to provide protection for a wide range of building surfaces. It is excellent for waterproofing and restoring existing roof systems, as well as for weather protection of SPF roofing systems.

Features and Benefits

- Superior leak protection
- Easy to apply and wide application window
- Weatherability
- Long-lasting
- Resistance to ponding water

Coverage Rates

GreenSil 100 Silicone Coating is 93% solids by volume. A typical application rate of 1.0-1.5 gallons per 100 square feet should yield a dry film thickness of approximately 15 mils in one coat. Waste, windloss, and other variables will affect the actual dry film thickness.

Installation

1. All surfaces to be coated must be clean, dry, sound, and paintable. It may be necessary to power wash and/or prime to enhance adhesion.
2. No thinning or reducing is recommended. Mix well before using. For drums: use a ¾ hp air-powered mixer with a 6" blade and shaft that will create a good vortex. For pails: use at least a 3" blade or a suitable hand mix paddle. Mixed materials should be used immediately to avoid curing in the container with small amounts of atmospheric moisture.
3. It is not recommended that this product be applied at temperatures below 40°F (4°C) or if inclement weather is expected within 1 hour of application.

4. This product is suitable for application through airless spray equipment or with a roller, squeegee, or brush. Utilize a pump with a minimum output of 3 gallons per minute and 3,500 psi fluid pressure capability, fed with a 5:1 transfer pump and with ½" and ¾" ID hose. Always use components rated for the pump maximum pressure. Use a 30-mesh screen or larger. Use a spray tip with a minimum orifice of .30" and 50 degree fan angle. Medium to heavy nap roller pads are recommended. Use hoses dedicated for silicone coatings.
5. This coating can be installed in one or multiple coats.
6. SPF should be coated within 24 hours of application. Subsequent coats should be applied within 24 hours of prior applications to ensure full and uniform adhesion. Coating must be evenly applied and pinhole free. The coating will cure in 2 to 8 hours, dependent on weather conditions such as temperature and humidity. Do not install additional coats until coating is fully cured.
7. Approved roofing granules may be installed in the topcoat to improve aesthetics, traffic resistance, and impact resistance.
8. See listing at www.nsf.org for application and cure instructions for rainwater catchment use.
9. Cleanup of spray equipment containing uncured material may be accomplished by flushing with VM&P Naphtha or Rule 66 mineral spirits. GreenSil 100 LS cures by reacting with moisture and should not be left in spray guns, pump equipment, or hoses for prolonged periods unless equipment contains moisture lock hoses, fittings, and seals. Equipment without these components will transmit sufficient moisture vapor to gradually form cured material on hose walls and at unsealed connections.

Review Green Shield Product's specifications and details for complete installation information. Please contact Green Shield Products for more information.



Energy Efficient Building Product Solutions

877.GRN.SHLD
greenshieldproducts.com



GreenSil 100 HS

Silicone Coating



Precautions

- Not recommended for continuous immersion service, for use in cold storage applications without a vapor retarder, or directly over asphaltic surfaces without a sealer.
- Silicone coatings are slippery when wet. Exercise caution when walking on a roof under these conditions.
- Avoid breathing silicone vapors or spray mists. Use an appropriate MESA/NIOSH approved respirator when exposure can exceed recommended PEL. This product is not recommended for interior use. Additional care must be taken to prevent rooftop HVAC equipment from introducing silicone vapors into interior areas during application. Building occupants should be warned of spray operations in process.
- Keep cleaning solvents away from all sources of heat, sparks, flame, lighted smoking materials, or any other ignition source. Pumping equipment should be grounded to avoid accidental ignition due to static sparks.
- It is not recommended to store this material at temperatures exceeding 100°F (38°C). For maximum shelf life, store between 40°F and 70°F (4°C and 21°C). Higher temperatures will reduce shelf life.
- Remove any skin prior to mixing the material. Once container is opened, all product should be used. Container cannot be resealed without product skinning or curing inside container. Always keep covered and protected from the elements. When transporting this product, ensure that the lid is tight and the container is secured.
- See Safety Data Sheet (SDS) for complete safety information.

Ratings and Approvals

Underwriters Laboratories	File R38137
Factory Mutual Global	Approved
NSF Protocol	P151 (white only)
CRRC	listed (white)
Title 24	Compliant
ASTM C1305 Crack Bridging Ability	Passed
Meets Requirements of ASTM D6694 Standard Specification for Liquid-	Applied Silicone Coating

Typical Physical Properties ¹

Property	Test Method	GreenSil 100
Tensile Strength	ASTM D412	244 psi @ 73°F (23°C) 227 psi @ 0°F (-18°C)
Elongation	ASTM D412	187% @ 73°F (23°C) 121% @ 0°F (-18°C)
Tear Resistance	ASTM D624	24 lbf/in @ 73 F (23 C)
Permeance	ASTM E96 Procedure B	6.5 perms
Reflectivity	ASTM C1549	.87 initial/ .82 aged (white)
Emissivity	ASTM C1371	.90 initial/ .89 aged (white)
Solar Reflectance Index	ASTM E1980	SRI - White: 109
Water Absorption	ASTM D471	0.1% @ 73°F (23°C)
Low Temp. Flexibility	ASTM D522 Procedure B	Pass @ -15°F (-26°C)
Weathering	ASTM G53	No degradation after 8,760 hours
Hardness	ASTM D2240	50 Shore A
Max. Service Temp.		185°F (85°C)
Solids by Volume	ASTM D2697	96% +/- 2
Solids by Weight	ASTM D1644	95% +/- 2
Flash Point	ASTM D93	>105°F (41°C)
Cure Time		Min. 2 hours @ 100°F (38°C) & 90% RH Max. 8-12 hours @ 40°F (4°C) & 20% RH
VOC	EPA Method 24	<50 grams/L
Color		White, Light Gray, Dark Gray, Tan

Special colors are available at an additional charge with minimum order

¹ - Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.

Shipping Information

Container Size	Gross Weight	Class
5-gallon pail (18.9 L)	60.5 lbs. (23 Kg)	55
50-gallon drum (189.3 L)	605 lbs. (274.4 Kg)	55
D.O.T. Classification: BC - Roof Coating, Non-Regulated	Protect from freezing (32°F/0°C) during shipping and storage	



Energy Efficient Building Product Solutions

877.GRN.SHLD
greenshieldproducts.com



GreenSil FG

Silicone Mastic



Overview

GreenSil FG is a single-component, high-build, silicone mastic. Upon cure, GreenSil FG forms a durable, weatherproof sealant. Designed for use with Green Shield Products silicone roofing systems, this product can be used to seal and protect roof penetrations, seams, fasteners, and other roofing substrates and surfaces.

Features and Benefits

- Easily applied with trowel, roller, or stiff brush
- Superior adhesion
- Long-term durability
- Single-component, low-odor
- Easy to use in most applications
- Excellent sealer over fasteners, rough substrates, seams, details, and transitions
- Low VOC levels allow for application in most regulated areas

Coverage Rates

GreenSil FG is typically applied at 50 to 100 square feet per gallon per coat. The application rate may vary depending on a variety of factors, such as use and roughness of the application.

Installation

1. All surfaces to be primed must be clean, dry, sound, and free of contaminants. It may be necessary to power wash or otherwise clean the surface to enhance adhesion.
2. Any primers that are to be utilized on the roof surface should be applied and cured prior to the application of GreenSil FG.
3. No thinning or reducing is recommended. Mix material in the container such that it is homogeneous and consistent before use.
4. This product may be applied with a stiff bristle brush, roller, or squeegee. Apply sufficient quantity of material to encapsulate fastener heads and completely seal the seams, details, or cracks being treated.
5. Ensure that the mastic is completely cured prior to subsequent applications of coating.
6. Clean up with Rule 66 mineral spirits.

Review Green Shield Product's specifications and details for complete installation information. Please contact Green Shield Products for more information.

Precautions

- Apply GreenSil FG when ambient air and substrate temperatures are above 32°F (0°C) and when inclement weather is not forecast.
- GreenSil FG is not recommended for silicone structural glazing, application in confined areas without proper ventilation, or joints under constant water submersion.
- The shelf life of this product in unopened containers when stored between 50°F and 100°F (10°C and 38°C) is 12 months from the date of manufacture.
- See Safety Data Sheet (SDS) for complete safety information.

Typical Physical Properties

Property	Test Method	GreenSil FG
Solids by Weight	ASTM D1644	92% ± 3
Solids by Volume	ASTM D2697	92% ± 3
VOC	EPA Method 24	<50 grams/L
Tensile Strength	ASTM D412	236 psi
Elongation	ASTM D412	.375%
Tack-Free Time at 77°F (25°C) and 50% RH	ASTM C679	.1– 2 hrs.
Cure Time at 77°F (25°C) and 50% RH: (1/8" depth)	ASTM E1980	16 –18 hrs.
Color		White

Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.

Shipping Information

Container Size	Gross Weight	Class
2-gallon pail (7.6 L)	25 lbs. (11.3 Kg)	55
D.O.T. Classification: Sealant Caulk, Non-Regulated	Protect from freezing (32°F/0°C) during shipping and storage	



Energy Efficient Building Product Solutions

877.GRN.SHLD
greenshieldproducts.com





GREEN SHIELD P R O D U C T S

40 Cypress Creek Pkwy. #338, Houston, TX 77090
Office: 832-957-3973

LIMITED WARRANTY

Building Owner: _____

Warranty No.: _____

Building Identification/Address: _____

Warranty Period: Twenty (20) Years

Roof Size: _____

Date of Completion: _____

Warranty Code: _____

Installed by: _____

Green Shield Products, LLC (GSP) warrants to the Building Owner (OWNER) of the above-described building that, subject to the terms, conditions and limitations stated in this warranty, the GSP Roofing System installed by GSP's Authorized Roofing Applicator will remain watertight for a period of **Twenty (20) years** from the date of completion listed above. If upon inspection, GSP determines that a leak or GSP material failure has occurred due to deterioration of the GSP Roof System, improper workmanship, and/or defects in the system components, GSP will repair the GSP Roofing System without cost to the owner.

The GSP Roof System products are defined as the following GSP brand materials: Coatings, Spray Polyurethane Foam, Primers, Fabrics, Adhesives, Sealants, Additives, and any other GSP brand products used in this installation.

GSP requires that all roofing materials have been installed per GSP' published specification guide. This 20-year warranty shall be contingent upon all roofing materials being installed in compliance with applicable building codes.

THE WARRANTY STATED ABOVE IS IN LIEU OF ALL OTHER WARRANTIES (EXCEPT OF TITLE), WRITTEN OR ORAL, STATUTORY, EXPRESS, OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE.

EXCLUSIONS AND LIMITATIONS

GSP shall not be liable under this agreement or otherwise for damage to the GSP Roofing System, property, building, or contents caused by:

- 1) Fire, cracks, or openings in the Roof substrate; settling, distortion or other failure of the building structure; faulty, defective, or improper building or structure design; natural causes including but not limited to floods, lightning, windstorms, hail, cyclones, hurricanes, tornadoes, earthquakes, or other Acts of God or extraordinary or unusual events.
- 2) Vandalism, penetration, damage, or attack by third parties, foreign objects, or agents, including plant or animal life.
- 3) Alterations or additions to, encroachment upon, or erection of structures on the GSP Roofing System unless performed by an Authorized Qualified Applicator or otherwise approved in advance in writing by GSP; or any use of the GSP Roofing System other than for its intended purpose.
- 4) Failure of the Owner or Lessee to use reasonable care in maintaining the roof. Said maintenance to include, but not be limited to those items listed on the GSP Care and Maintenance Information sheet which accompanies this Warranty.
- 5) Color changes in the GSP Roofing System due to dirt accumulation or normal weathering.
- 6) Temporary repairs to the GSP Roofing made by non-GSP approved personnel.

The obligations set forth herein shall constitute the sole and exclusive liability of GSP, and remedy of owner, for the GSP Roofing System, its application, maintenance, repair, and replacement. In no event, whether based on contract, warranty, negligence strict liability or otherwise, shall GSP be liable for expenses for other work, loss, or profit, and special, consequential, incidental, or exemplary damages of any nature.

All GSP obligations will terminate, and Owner will be responsible for ALL damages if OWNER fails to follow WARRANTY SERVICE PROCEDURES set forth below.

Warranty Service Procedures

- a) Owner will immediately notify GSP and QA of any claimed GSP Roofing System failure.
- b) Owner will confirm oral notice of claimed GSP Roofing System failures to GSP in writing by certified mail to Green Shield Products, LLC PRIOR TO THE WARRANTY EXPIRATION DATE.
- c) Owner hereby gives GSP the right to inspect or have inspected the GSP Roofing System and/or other areas specified for both covered and excluded GSP Roofing System failures.
- d) Owner will immediately authorize implementation of GSP repair recommendations for both covered and excluded GSP Roofing System failures and will immediately confirm this authorization in writing.
- e) Owner shall pay cost of repairing all excluded GSP Roofing System failures.

Transferability

This warranty is transferable only (1) to the Owner of the building; (2) if Green Shield Products, LLC is notified at the time of the sale; (3) if Green Shield Products, LLC is satisfied that the intended use of the property by the transferee will not impair the GSP Roofing System; and (4) if Green Shield Products, LLC acknowledges, in writing, transfer of this warranty to the new Owner.

Arbitration

Any claim controversy between or among the parties arising out of or relating to the GSP Roofing System application described herein shall be settled by arbitration in accordance with the Rules of the American Arbitration Association, and judgment upon the award rendered by the arbitrator(s) may be entered in any Court having jurisdiction.

Note: Warranty not in effect unless signed by authorized Green Shield Products, LLC representative and payment has been made in full for all invoices.

GSP Signature: _____ Title: _____ Date: _____

SAMPLE