



PROJECT MANAGEMENT

Informal Bid Request

Project:

24-25-07

Roof Repair & Elastomeric Coating
Sports Connection
Greenville, NC

Scope of Work:

Provide material, equipment, and labor to repair, prep and install an elastomeric coating on the roof of the Sports Connection.

Special Conditions:

Work must comply with all OSHA safety guidelines.

Contractor responsible for all needed paperwork to obtain required permits. All permits must be posted prior to the commencement of work.

There will be a mandatory pre-bid meeting on August 29, 2024, at 10:00AM at the site.

Contractor shall arrange to use their own equipment to access the roof at this time.

Site Location:

Sports Connection
1701 E. 14th Street
Greenville, NC

Bid Submittal Deadline:

Thursday, September 12, 2024 @ 2:00 PM

Via email to: mwatson@greenvillenc.gov

INVITATION FOR INFORMAL BID ON

ROOF REPAIR & ELASTOMERIC COATING SPORTS CONNECTION

INSTRUCTIONS FOR BIDDERS

The person, firm or corporation making a proposal shall submit a bid to *Mike Watson, Project Coordinator*, on or before the hour and day stated on the attached bid request form. The preferred method of delivery of the bid is by email to mwatson@greenvillenc.gov. The bid may also be mailed or hand delivered to the Jaycee Park Administrative office located at 2000 Cedar Lane, Greenville, N.C., 27835 and must be received prior to the submittal deadline time and date stated and shall have the words *Bid Enclosed, Sports Conn, Roof Repair Attn: Mike Watson* along with the company name on the outside of the envelope.

All mailed or hand delivered bids received in the office will be marked with the date and time they are received by reception staff. Bids will not be opened and read aloud. The bids will be opened and evaluated, and a tabulation sheet will be available upon request once the contract is awarded to the successful bidder.

The bidder shall include the required responses and supply all the information as indicated on the Bid Form, Attachment A. The prices inserted shall be net and shall be the full cost including all factors whatsoever. Any bids not submitted on such forms provided will be considered nonresponsive.

No bid may be changed or withdrawn after the time of the opening. Any modifications or withdrawals requested before this time shall be acceptable only when such request in writing is made to *Mike Watson, Project Coordinator*.

The City of Greenville reserves the right to reject any and all bids, to waive any formalities, and to accept the bid or any portion thereof that is deemed most advantageous to the City. Any bid submitted will be binding for 60 days after the opening.

The scope of work attached represents the minimum specification or description of work to be purchased or contracted. These requirements are not intended to prevent fair responses or to eliminate competition, but they are intended for the protection of each and every proposer to insure, if possible, that all bids submitted shall be upon a fair and comparable basis.

It is expressly understood by the bidders that written notice of award and/or receipt of purchase order will constitute agreement by the City to consummate the transaction and will serve together with the proposal, scope of work, and these instructions as the entire

form of contract between the parties except in cases where formal contracts are warranted.

All work shall be FOB, Greenville, N.C.

Each bidder shall affirm that no official or employee of the City of Greenville is directly or indirectly interested in this proposal for any reason of personal gain.

Sales taxes may be listed on the proposal, but as a separate item. No charge will be allowed for Federal Excise and Transportation tax from which the City is exempt.

New vendors must register with the City of Greenville's online portal at the following web address: <https://selfservice.greenvillenc.gov/vss/Vendors/default.aspx>

Minority and/or Women Business Enterprise (MWBE) Program:

It is the policy of the City of Greenville to provide minorities and women equal opportunity for participating in all aspects of the City's contracting and procurement programs, including but not limited to, construction projects, supplies and materials purchases, and professional and personal service contracts. In accordance with this policy, the City has adopted a Minority and Women Business Enterprise (MWBE) Plan and subsequent program, outlining verifiable goals.

The City has established a 10% Minority Business Enterprise (MBE) and 6% Women Business Enterprise (WBE) goal for the participation of MWBE firms in supplying goods and services for the completion of this project. All firms submitting bids agree to utilize minority and women-owned firms whenever possible.

Questions regarding the City's MWBE Program should be directed to Wanda House, Financial Services Manager, at (252) 329-4862.

Equal Employment Opportunity Clause:

The City of Greenville, NC is an equal opportunity employer and strictly prohibits discrimination against any employee or applicant for employment because of the individual's race, color, religion, age, gender, disability, national origin, genetic information, sexual orientation, gender identity/reassignment or expression, military or veteran status, marital status, or any characteristic protected by applicable law.

TITLE VI NONDISCRIMINATION NOTIFICATION:

The City of Greenville, NC in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 U.S.C. §§ 2000d to 2000d-4) and the Regulations, hereby 1178814- v4 7 notifies all respondents that it will affirmatively ensure that any contract entered into pursuant to this advertisement, disadvantaged business enterprises

will be afforded full and fair opportunity to submit bids in response to this advertisement and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

INSURANCE: The Contractor agrees to purchase at its own expense insurance coverages to satisfy the following minimum requirements. Work under this contract shall not commence until all insurance required as listed has been obtained. Insurance required shall remain in effect through the life of this contract.

1. **Workers' Compensation Insurance:** No contractor or subcontractor may exclude executive officers. Workers Compensation must include all employees.

Limits: Workers Compensation: Statutory for the State of North Carolina.

Employers Liability: Bodily Injury by Accident \$1,000,000 each accident.

Bodily Injury by Disease \$1,000,000 policy limit.

Bodily Injury by Disease \$1,000,000 each employee.

2. **Commercial General Liability:**

Limits: Each Occurrence: \$1,000,000

Personal and Advertising Injury \$1,000,000

General Aggregate Limit \$2,000,000

Products and Completed Operations Aggregate \$2,000,000

The aggregate limit must apply per project. The form of coverage must be the ISO CG 00 01 policy as approved by the State of North Carolina Department of Insurance. If a form of coverage other than the CG 00 01 is used it must be approved **Contractor**. Any endorsed exclusions or limitations from the standard policy must be clearly stated in writing and attached to the Certificate of Insurance. Completed Operations coverage must be maintained for the period of the applicable statute of limitations. Additionally, the **Contractor** must be added as an Additional Insured to the Commercial General Liability policy.

3. **Commercial Automobile Liability:**

Limits: \$1,000,000 combined single limit.

4. **Cancellation:**

Each certificate of insurance shall bear the provision that the policy cannot be altered or canceled in less than ten (10) days after mailing written notice to the assured of such alteration or cancellation, sent registered mail.

5. **Proof of Carriages:**

- A. The **Contractor** shall provide the City with insurance industry standard ACCORD form Certificate(s) of Insurance on all policies of insurance and renewals thereof in a form(s) acceptable to the City prior to the commencement of services. Said policies shall provide that the City be an additional named insured.
- B. The City shall be notified in writing of any reduction, cancellation, or substantial change of policy or policies at least thirty (30) days prior to the effective date of said action.
- C. All insurance policies shall be issued by responsible companies who are acceptable to the City and licensed and authorized to do business under the laws of North Carolina.

E-VERIFY COMPLIANCE: The Contractor shall comply with the requirements of Article 2 of Chapter 64 of the North Carolina General Statutes. Further, if the Contractor utilizes a Subcontractor, the Contractor shall require the Subcontractor to comply with the requirements of Article 2 of Chapter 64 of the North Carolina General Statutes. By submitting a proposal, The Proposer represents that their firm and its Subcontractors are in compliance with the requirements of Article 2 Chapter 64 of the North Carolina General Statutes.

IRAN DIVESTMENT ACT: Vendor certifies that: (i) it is not on the Iran Final Divestment List created by the NC State treasurer pursuant to N.C.G.S. 147-86.58; (ii) it will not take any actions causing it to appear on said list during the term of any contract with the City, and (iii) it will not utilize any subcontractor to provide goods and services hereunder that is identified on said list.

LIQUIDATED DAMAGES: If the Contractor fails to complete the work within the time specified in the bid package, the Contractor shall pay liquidated damages to the City of Greenville in the amount of \$250.00 for each calendar day of delay until the work is completed or accepted.

The City of Greenville has adopted a Local Preference Policy, Resolution No. 056-13, and a Professional and other Services Policy, Resolution No. 057-13 that may pertain to this project. For more information, please see the City of Greenville's webpage at <https://www.greenvillenc.gov/government/financial-services/purchasing>.

Questions regarding any part of this proposal shall be directed via email to Mike Watson, Project Coordinator, at mwatson@greenvillenc.gov

All bids shall be submitted on the attached bid submittal form, Attachment A.

Roof Repair & Elastomeric Coating Sports Connection

Scope of Work

Scope

Contractor shall supply all labor, equipment and material for the preparation, repair and installation of an elastomeric coating on the metal roof located at the Sports Connection. The roof is over 17,850 square feet. All work shall be to industry standards. All OSHA requirements and other safety guidelines associated with the work shall be followed.

Debris

All debris associated with this project shall be removed and properly disposed of offsite.

General Requirements

1. Contractor is responsible for all measurements.
2. Provide Uniflex Acrylic Coating System or approved equal. Contractors must submit in writing a request to use another manufacturer and provide specifications for approval no later than seven (7) day prior to the bid date.
3. For the metal roof use:
 - Spot Prime: KST036520 – Uniflex Acrylic Rust Inhibitive Primer
 - Sealant: KST051920 – Uniflex One Flash
 - Basecoat: KST041320 – Uniflex Premium Elastomeric Roof Coating Gray
 - Finish: KST041300 - Uniflex Premium Elastomeric Roof Coating White
 - Skylight: KST019100 – Uniflex Skylight Coating Clear
 - Note: See Attachment C for the Uniflex Specification Document and skylight coating data sheet. These specifications shall be used to repair, prep, and install the coating on the roof and skylights.
 - In addition to the roof coating, all metal surfaces shall be painted to match the finish roof color.
4. Clean all debris from the gutters and dispose of offsite.
5. Only water should be used when pressure washing the roof. If solvents will be used, then the wastewater shall be captured and disposed of properly offsite. Contractor can use water from the facility.
6. Preparation of all surfaces shall be done to industry standards and to manufacturer's instructions. Use safe work practices to remove any old paint.
7. Contractor shall take care not to damage any concrete, landscaping, fencing, etc. Any damage caused by the contractor shall be repaired prior to the completion of the project. Contractor shall also be responsible for all

- damages that may arise from installing the roof coating such as but limited to overspray, spilling on another surface, etc.
8. Contractor shall comply with all OSHA requirements and safety guidelines associated with the work within the scope of work.
 9. ***Weather permitting, work shall start the week of October 7, 2024, and must be completed by the end of the day of October 25, 2024. Liquidated damages will apply if not completed on time.***

Warranty

Provide a fifteen (15) year UNIGUARD warranty as listed 3.2.D.3.b on page seven of the attached Uniflex Specifications.

Notes

Contractor shall fill out and submit with their bids the attached Reference Information Sheet (Attachment B). Failure to submit this information may result in the bid being deemed nonresponsive.

Contractor will be able to use the facility's electrical and water to complete the work.

The facility will remain open to the public so the Contractor shall make allowances for this and coordinate with staff as needed and must provide a safe work site at all times.

The laydown area, parking, time of work, access to the building, etc. will be discussed at a pre-construction meeting with the awarded contractor.

Bid Form

Roof Repair & Elastomeric Coating – Sports Connection

Contractor Name and Address:

Phone Number: _____ **Date:** _____

Bid Amount: \$ _____

Reference Information Sheet Attached: _____

Addenda: _____

Submitted by: _____

Signature: _____

BIDS ARE DUE BY 2:00 PM THURSDAY, SEPTEMBER 12, 2024.

REFERENCE INFORMATION SHEET

Vendor must provide a list of three (3) client references of similar work. The reference information shall include the company's name, a contact person's name with his or her title and their telephone number. Contractor shall provide the information below with their proposal sheet. Contractor shall be experienced in projects of similar construction.

1. **Company name:** _____

Contact person: _____

Title: _____ **Phone No.** _____

2. **Company name:** _____

Contact person: _____

Title: _____ **Phone No.** _____

3. **Company name:** _____

Contact person: _____

Title: _____ **Phone No.** _____

Fluid Applied Roofing
Section 07 56 00



SECTION 07 56 00

UNIFLEX ACRYLIC ROOF COATING SYSTEM GUIDE SPECIFICATION FOR STRUCTURAL METAL RESTORATION

PART 1 – GENERAL

1.1 DESCRIPTION

- A. This specification details the restoration of existing Structural Metal Roofing using Uniflex® Premium Acrylic roof coating system.
- B. Instructions on the Manufacturer's Product Data Sheets are to be considered part of these Specifications and should be followed in any performance of the work.

1.2 RELATED WORK

- A. Drawings and general provisions of the contract, including General and Supplementary Conditions and other Division 01 Specifications, apply to this section.
- B. Contractor shall review all sections of the project specifications to determine items of work that may interface with the application of the roof coating system. Compliance with applicable building codes shall be assured by the specifier or engineer, while coordination and execution of related sections shall be the responsibility of the Contractor.

1.3 REFERENCES

- A. ASTM D 6083
- B. UL Class A
- C. NSF P151
- D. FM Global Approved

1.4 REVIEW / SUBMITTALS

- A. Prior to bid, all project specifications, details, submittals, photographs, inspection reports and existing substrate conditions shall be provided to Manufacturer for review and pre-application warranty approval.
- B. At the time of bidding, the Contractor shall submit to the Owner the following:
 - 1. A certificate or letter from the Manufacturer approving the Contractor in good standing for application of the Manufacturer's products and systems at the time of the work.
 - 2. Provide cured sample of products to be installed.
 - 3. The Manufacturer's standard details and approved shop drawings for the coating system.
 - 4. Product and Material Safety Data Sheets for each product indicated in this Specification.
 - 5. Sample copy of Manufacturer's warranty to be issued upon successful completion of the project.
 - 6. Sample copy of the Contractor's warranty.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Manufacturer shall have a minimum of 20 years' experience manufacturing roof coatings and be ISO 9001:2008 Certified.
- B. Products listed herein shall be provided by a single manufacturer or approved by the primary roofing Manufacturer for compatibility.
- C. Contractor represents and warrants that it is experienced in and qualified to perform the work described herein and can provide the necessary equipment, supervision, and trained workforce capable of completing the work in a safe, prompt, diligent, professional, and workmanlike manner and in accordance with all federal, state and local laws, rules and regulations, this Specification and good roofing practice.
- D. Contractor shall be thoroughly familiar with all codes, regulations and standards governing the work to be performed and shall provide written proof of all required licenses and permits prior to project commencement.
- E. Contractor shall be approved by Manufacturer for application of Manufacturer's products and systems and in good standing at the time of the work and shall coordinate with Manufacturer prior to bidding and commencement of work regarding any Manufacturer's warranty to be issued upon successful completion of the project.
- F. Contractor shall inspect the project to examine the actual job and site conditions and must be familiar with local conditions and all things required to complete the work that will have a bearing on its costs and completion.

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- G. All substrates must be peel tested for adhesion strength and those results provided to Manufacturer prior to application of the coating system.
- H. Contractor is responsible for ensuring a trained foreman is onsite during the application of the coating system and any related work. A daily log of application activities and environmental conditions shall be maintained and available on-site with copies of specification, TDS, and MSDS. A copy of the activity log shall be submitted to Manufacturer upon completion of project.
- I. Contractor shall check wet film thickness during application of the coatings to ensure achievement of required coverage rates.
- J. In the event Contractor finds that performance or completion of the work will be delayed for any reason, Contractor shall notify the Owner, the Owner's Representative and Manufacturer in writing as soon as possible.
- K. There shall be no deviations made from the Specifications unless submitted in writing by the Contractor and approved in writing by the Specifier, Owner, and Manufacturer.

1.6 PRODUCT DELIVERY, STORAGE AND HANDLING

- A. Products shall be delivered to jobsite in Manufacturer's original unopened and undamaged containers bearing Manufacturer's original labels. Package labels must be clearly visible on pallets. Verify products are within Manufacturer's recommended shelf life.
- B. Store all products in a dry, well ventilated, weather tight location at temperatures between 50° F and 99° F. Do not store products at higher temperatures or in direct sunlight. Protect all products from freezing or other damage during transit, handling, and storage. Store and handle products in a manner that will ensure there is no possibility of contamination. Keep lids tightly sealed when not in use. Do not stack pallets more than two (2) high. If these storage conditions are not possible, special consideration in storage must be taken.
- C. Do not subject existing roof to unnecessary loading of stockpiled products or other materials.
- D. Record batch numbers in daily project activity log. Submit to Manufacturer upon project completion.
- E. Store and dispose of all products and materials used on the project in accordance with all federal, state, and local requirements for the proper handling and disposal of such products and materials.

1.7 PROJECT CONDITIONS

- A. Condition of Existing Substrate:
 - 1. The Owner, Owner's Representative and Contractor shall thoroughly inspect and determine the condition of the roof system and substrate to be coated, and the suitability of the roof system for the application and performance of the coating system.
 - 2. All surfaces and substrates which are to be coated must be properly prepared, clean, dry, structurally sound, and free from any moisture, dirt, contaminants, or any other conditions which may interfere with the application and performance of the coating system. Contractor shall approve the condition of the roof system and substrate prior to application of the roof coating system.
 - 3. The roof coating shall have good resistance to ponding water. However, areas of prolonged ponding water may, depending on environmental conditions, require additional inspection and maintenance (including cleaning and re-coating) during the warranty period. The NRCA recommends that all roofs be designed and built to have positive drainage. Any questions or concerns about deck deflection as a result of ponding water conditions shall be directed to a competent and properly licensed design professional.
 - 4. If any unusual, unexpected, or concealed conditions are discovered at any time prior to or during the work, the Contractor shall stop work immediately and notify the Owner, Owner's Representative and Manufacturer in writing as soon as possible.
- B. Protection and Coordination:
 - 1. Owner will occupy the premises during the work. Contractor will cooperate with the Owner to allow for the continued use of the facilities during the work.
 - 2. Contractor shall coordinate scheduling with the Owner to relocate or protect vehicles, building occupants, building contents and unrelated work from damage.
 - 3. Site cleanup during and after completion of the work shall be completed to Owner's reasonable satisfaction.

1.8 WEATHER AND SURFACE TEMPERATURE

- A. Contractor shall proceed with roofing work only when the existing and forecasted weather conditions and surface temperatures will permit work to be performed in accordance with Manufacturer's recommendations and good roofing practice, including:
 - 1. Ambient air temperature must be 50°F and rising, but not above 120°F during the entire application and curing process.
 - 2. Surface temperatures must be between 50°F and 140°F during application. If surface temperatures exceed 140°F during application, wait for roof to cool.
 - 3. Never apply coating to a wet or damp surface. Roof surface must be free from any moisture with no precipitation in the forecast until coating is dry. Do not apply coating if weather does not permit 4-6 hours of dry time prior to precipitation. Low humidity, low temperatures, cloud cover and calm air will slow the dry time.
 - 4. Extra precaution is needed when applying material in windy conditions. Never spray material when excessive wind conditions exist. Contractor should monitor wind condition to prevent over-spray. If winds become excessive, spraying should stop.

1.9 PRE-APPLICATION CONFERENCE

- A. Prior to scheduled commencement of the coating application and any related work, Contractor shall conduct a meeting on the roof with the Architect, Owner, Manufacturer, and any other persons directly involved with the performance of the work. The Contractor shall record conference discussions to include decisions, agreements, and open issues and furnish copies of recorded discussions to each attending party. The primary purpose of the meeting is to review methods and procedures related to the roofing work and Special Owner requirements.
- B. All parties shall view representative areas of the roofing substrate and discuss conditions of the substrate, penetrations, and any other work to be completed prior to application of the coating system.
- C. Review roofing system requirements, specifications, detail drawings, Contract Documents and required submittals, both completed and in progress.
- D. Review and finalize the construction schedule related to roofing work, and verify availability of materials, Contractor's personnel, equipment, and facilities needed to consistently make progress and avoid delays.
- E. Review results from Contractor's inspections, adhesion, and non-destructive testing.
- F. Review forecasted weather conditions expected. Establish procedures for coping with unfavorable conditions, including the possibility of temporary roofing work.

1.10 WARRANTY

- A. Project warranties beyond those found on Product Data Sheets require Manufacturer approval prior to job commencement. Any warranties for the project must be submitted and accepted by the Owner at the time of contract award. Please contact Manufacturer for any requirements and associated costs or fees which may be associated with warranty issuance. Recommendations and requirements are subject to change from project to project based on existing conditions.
- B. Manufacturer may issue to the Building Owner either (a) Materials Warranty or (b) Full Systems Warranty, as may be agreed to at time of contract award. Any warranties issued shall be for the coating application only and shall not provide coverage for the existing roofing system, including the substrate or structural deck. Any presence by Manufacturer personnel on the project does not provide any additional coverage beyond that stated in the applicable warranty.
- C. The Contractor may provide the Owner with a workmanship warranty as may be agreed to by the Contractor at time of contract award.

1.11 REGULATORY AND SAFETY

- A. Contractor will perform all work in a safe, professional, timely and workmanlike manner and in accordance with all federal, state, and local laws, rules and regulations related to the work to be performed hereunder, the Specifications and good roofing practice.
- B. Contractor shall be thoroughly familiar with all codes, regulations and standards governing the work to be performed and shall provide written proof of all required licenses and permits prior to project commencement.

- C. Contractor shall establish and enforce a safety program for its work and employees which meets or exceeds all federal, state, and local laws, rules, and regulations, including proper fall protection and all other applicable requirements of the Occupational Safety and Health Act of 1970 (OSHA), and all other requirements which may be necessary for the safety of its employees, Owner and the public.

PART 2 – PRODUCTS

2.1 GENERAL

Products other than those described in Part 2 may be submitted for review and acceptance by Manufacturer. Manufacturer's review shall be for compatibility purposes only with Manufacturer's products. The specifications and application instructions for products not supplied by Manufacturer must be reviewed by the Owner and/or Owner's Representative for final approval and use on the project. Manufacturer will not provide any warranty coverage for products other than those supplied by the specified Manufacturer.

2.2 ACCEPTABLE MANUFACTURERS

- A. Uniflex Fluid Applied Roofing Systems, 101 W. Prospect Avenue, Cleveland, Ohio 44115
- B. Contact the Uniflex Technical Department at uniflex.technical@sherwin.com with any questions and for a complete list of approved products.

2.3 COMPONENTS

- A. Acrylic Roof Coating:
 - 1. Uniflex® 41-300 Premium Elastomeric WHITE
 - 2. Uniflex® 41-320 Premium Elastomeric Base Coat GRAY
- B. Primer: (Choose one)
 - 1. Uniflex® 34-520 Rust Inhibitive Primer (For use over Galvanized, Galvalume®)
 - 2. Uniflex® 36-520 Acrylic Rust Inhibitive Primer (For use over Kynar® and existing coatings)
 - 3.
- C. Sealant
 - 1. Uniflex® OneFlash Sealant 51-920-Gray
 - 2. Uniflex® OneFlash Sealant 51-921-White
- D. Granules:
 - 1. Torginol 25-A Grade Angular Resin Quartz granules

PART 3 – EXECUTION

3.1 INSPECTION AND TESTING

- A. Based on inspection and testing, Contractor shall provide a roof plan shall be made to show all areas of ponding water, and any deteriorated or damaged decking or other materials.
- B. Contractor shall verify a minimum roof slope of 1/4 inch per foot and that all roof drains are clean and in good working order.
- C. Prior to application of the coating system, Contractor shall perform adhesion testing over substrates including previously coated and non-coated roof membranes. Contractor shall follow ASTM D4541 for approved field adhesion testing.
- D. If any unusual, unexpected, or concealed conditions are discovered at any time prior to or during the work, the Contractor shall stop work immediately and notify the Owner, Owner's Representative and Manufacturer in writing as soon as possible.

3.2 PREPARATION

- A. After inspection and testing, the Contractor shall make all necessary repairs to the roofing system. Contractor shall not proceed with application of the coating system until all repairs have been made and any unsatisfactory conditions have been corrected, including any repairs which may be recommended by the Manufacturer or any design professional. Preparation of the roof substrate is the responsibility of the Contractor.
- B. Contractor shall repair or replace any deteriorated or damaged metal panels or other materials with like kind or better-quality materials.
- C. Prior to power washing, Contractor shall repair all open lap panel seams, flashings, and any other conditions affecting the water tightness of the roof. The roof assembly must be made sound and watertight. All repairs shall be made in accordance with NRCA guidelines and good roofing practice. Upon written request, Manufacturer can provide additional repair details.
- D. Any mechanical equipment and roof penetrations including stacks, vents and pipes must be securely installed, properly sealed, and made completely watertight, and any abandoned pipes and vent stacks shall be removed, and holes filled in and roofed with like decking, insulation, and membrane, all in accordance with NRCA guidelines and good roofing practice. Upon written request, Manufacturer can provide additional repair details.
- E. All roof curbs and parapet walls shall be properly sealed and waterproofed in accordance with NRCA guidelines and good roofing practice. Upon written request, Manufacturer can provide additional repair details.
- F. Pitch Pans: Remove one (1) inch of existing pitch pan material, fill and trowel to create a slight slope with Uniflex 51-920 Roofing Sealant.
- G. Contractor shall secure and seal all loose metal in accordance with NRCA guidelines and good roofing practice. Upon written request, Manufacturer can provide additional repair details.
- H. All skylights must be sealed and made watertight in accordance with NRCA guidelines and good roofing practice. Upon written request, Manufacturer can provide additional repair details.
- I. Surface Cleaning:
 - 1. Contractor shall first remove any dirt or debris from the roof by using a broom or air broom.
 - 2. After brooming and prior to power washing, Contractor shall re-inspect the roof surface and flashings for any splits, open seams, tears, cuts and blisters in membrane and any other conditions affecting the water tightness of the roof. The membrane shall be repaired so water is not injected into the membrane during the cleaning process.
 - 3. The roof shall be power washed using a power washer with greater than 2,000psi. The Contractor shall take caution not to inject water into the roofing substrate.
 - 4. Any areas of algae, mildew or fungus on the roof membrane or the existing coating shall be treated with a tri-sodium phosphate (TSP) or equivalent non-filming detergent and water solution.
 - 5. Clear water rinse until all cleaning residue is removed.
 - 6. After cleaning and rinsing the roof, Contractor should ensure that no dirt, debris, or contaminants are present that may interfere with proper adhesion of the coating system.
 - 7. Contractor shall allow 24-48 hours for complete drying before application of the coating system.
 - 8. All substrates must be dry and in accordance with Roof Coating Manufacturer's published literature prior to installation of roof coating. It is the responsibility of the building owner or their representative to ensure substrate is dry and in acceptable condition for the application of a roof coating.
 - 9. All areas of corrosion shall be primed with Uniflex Rust Inhibitive Primer and allowed to fully cure.
 - 10. Kynar® and other fluoropolymers require a full prime with Uniflex Acrylic Rust Inhibitive Primer.
- J. Repair, removal, and replacement of existing metal roofing:
 - 1. Metal panel deterioration compromising structural integrity including damaged, weakened, or corroded panels, fascia, gutters, vents, ridge caps, and flashings must be replaced. Contact Metal Roofing Manufacturer for repair, removal, and replacement of compromised material.
 - 2. Remove old and damaged mastic repairs at laps, seams, and fasteners.
- K. Fasteners
 - 1. Inspect and replace all damaged fasteners.
 - 2. Tighten all fasteners to Metal Roof Manufacture's original specifications.

- L. Detailing/Flashing
 - 1. All detailing and flashings shall be completed prior to installation of roof coatings.
 - 2. All detailing and flashings shall be installed per Roof Coating Manufacturer's published literature. If details are not available, installer should contact the manufacturer.
 - 3. Existing assembly must be continuous and secure prior to application of roof coating.
 - 4. Pretreatment of approved existing, intact, and secure metal roof seams.
 - 5. Metal panel laps opening more than one-eighth (1/8) inch wide gap shall be fastened together in accordance with Metal Roofing manufacturer published literature at spacing and rate required to ensure an uninterrupted substrate, eliminating gaps.
 - a. Horizontal end laps and vertical fastened seams:
 - 1) Apply one layer of Uniflex 41-320 Gray Base at 16 wet mils over existing panel lap extending 2 inches on either side of the lap seam.
 - b. Crimped vertical standing seams:
 - 1) Verify all crimps are undamaged and watertight. No detailing required.
 - c. Ridge cap seams:
 - 1) Apply pressure to under lapping panel next to horizontal lap.
 - 2) Apply one layer of Uniflex Silicone 44 at 16 wet mils over existing panel lap extending 2 inches on either side of the lap seam.
 - d. Rake edge:
 - 1) Flush Rake edge: Apply one layer of Uniflex 41-320 Gray Base at 16 wet mils over existing panel lap extending 2 inches on either side of the lap seam.
 - 2) Raised rake edge: No additional detailing required.
- M. Curbs, Stacks, and other penetrations
 - 1. Using a stiff bristled brush or sealant knife apply OneFlash sealant at one-sixteenth (1/16) inch thick (60 wet mils) extending three (3) inches on horizontal and three (3) inches up vertical surface ensuring a smooth and continuous watertight finish.
- N. Parapet Walls and other termination points
 - 1. Inspect all sealants at counter flashings and replace as needed.
- O. Wood Blocking:
 - 1. Contractor shall inspect and replace any deteriorated or damaged wood blocking or sleepers in accordance with NRCA guidelines and good roofing practice. Wood blocking or sleepers shall be raised to allow the coating system to be installed in a continuous monolithic manner.
- P. Expansion Joints and Control Joints:
 - 1. Use curb flashing repair methods on the joint curbs only. Do not coat expansion or control joints with curb flashing materials. If existing expansion joint materials are repairable use materials and methods recommended by the original manufacturer of the joint. Replace the joint if deteriorated with a new expansion joint system, which will counter flash the UNIFLEX base flashing. Please contact manufacturer for full details and requirements for warranted jobs.

3.2 COATING SYSTEM APPLICATION

- A. General:
 - 1. Surface preparation is critical prior to application of the coating system. Contractor shall ensure that all surfaces and substrates which are to be coated have been properly prepared and are clean, dry, structurally sound, and free from any moisture, dirt, contaminants, or any other conditions which may interfere with the application and performance of the coating system.
- B. Protection and Start-Up Procedures:
 - 1. Contractor shall only apply coating when the existing or forecasted weather conditions and surface temperatures will permit work to be performed as described in Section 1.8.
 - 2. Owner shall be notified of start times so that fresh air intakes may be closed, sealed off or adequately protected and HVAC units shut down.
 - 3. If Contractor is spray applying the coating system, Contractor shall post notices a minimum of 48 hours around building and parking lots prior to any spraying.
 - 4. Contractor shall protect unrelated work and adjacent surfaces from overspray or spillage by using masking tape, plastic/paper sheets, stretch wrap, tarps or plywood, or some other material.
 - 5. Contractor shall remove drain screens and seal the drainpipe to prevent plugging of drain during the coating operation and shall unplug drains and reinstall screens after spray operation has been completed.
 - 6. Contractor shall follow all of Manufacturer's mixing instructions for the products prior to application.

- C. Application Methods:
 - 1. Roller: Minimum ¾" nap roller recommended.
 - 2. Spray: Airless spray equipment with a recommended minimum air pressure of 5000 psi at the tip and a tip size of .031-.035 (e.g., .635 tip) is recommended for best results.
 - 3. Contractor shall frequently verify correct mil thickness using a standard wet mil gauge during application of the coating.
 - 4. During application of the coating, Contractor will look for and correct any pinholes, blisters or conditions which may affect the performance of the roof coating.
- D. Application of Roof Coating:
 - 1. Apply UNIFLEX® 41-320 Gray Basecoat at one (1) gallon per 100 sq. ft. [Sixteen (16) wet mils; Eight (8) DFT]
 - 2. Allow 24 hours to cure.
 - 3. Apply Uniflex® 41-300 Premium Elastomeric White at: (select one)
 - a. Ten (10) year UNIGUARD Warranty:
Apply one (1) layer of primary roof coating at one and a half (1.5) gallons per 100 sq. ft. [Twenty-four (24) wet mils; Twelve (12) mils DFT].
 - b. Fifteen (15) year UNIGUARD Warranty:
Apply one (1) layer of primary roof coating at two (2) gallons per 100 sq. ft. [Thirty-two (32) wet mils; Sixteen (16) mils DFT].
- E. Walkways: (Optional Granular)
 - 1. Prior to walkway surfacing allow for roof to cure for a minimum of 24hrs.
 - 2. Apply additional roof coating at a minimum of one (1) gallon per square; Sixteen (16) wet mils.
 - 3. Apply roof granules uniformly into wet roof coating at a rate of 25 pounds per 100 square feet.
 - 4. Allow roof coating to dry.
 - 5. Remove loose particles to avoid clogging drains.
- F. Traffic areas:
 - 1. Cured coating can be slippery. Limit pedestrian traffic to designated walkways.
- G. Repairs:
 - 1. Apply Uniflex One Flash as a repair material at 60 wet mils extending 3 inches outside of the repair area.
 - 2. Install one (1) coat of Uniflex acrylic roof coating at minimum Sixteen (16) wet mils extending four (4) inches on each side of repair area to meet desired system DFT.

3.3 FIELD QUALITY CONTROL

- A. Limit traffic on coated surfaces for a minimum of two (2) days.
- B. Final Observation and Verification:
 - 1. Contractor shall contact Uniflex for warranty issuance requirements and to schedule the final inspection.
 - 2. Prior to demobilization from the site, a final inspection of the roof coating system shall be carried out by the Owner's Representative, Contractor, and Uniflex Field Technical Representative. Inspection by Uniflex is required for issuance of the final project warranty. Any inspection by Uniflex is for Uniflex warranty purposes only and shall not constitute acceptance of or responsibility for any improper workmanship by Contractor.
 - 3. Any defects and non-compliance with the Specifications, Product Data Sheets or recommendations of Uniflex shall be itemized in a punch list. These items must be corrected by the Contractor to the satisfaction of the Owner and Uniflex prior to demobilization. Failure to satisfactorily complete punch list items will result in non-issuance of the project warranty.
 - 4. Any areas of insufficient coating thickness will require recoating by Contractor.
 - 5. The roof coating system must be fully adhered to the roof substrate. Any voids left under the system must be corrected.
 - 6. All work for Uniflex warranty must be completed using Uniflex materials. Material invoices must be submitted to Uniflex to verify products installed.
 - 7. To maintain warranty eligibility and coverage, Owner must follow all inspection and maintenance requirements described in the Uniflex Owner's Packet.

3.4 JOB SITE CLEAN UP

- A. Remove masking and protection.
- B. Notify Owner project is complete, so HVAC vents can be opened, and units restarted.
- C. Remove all roofing related trash and debris from jobsite and dispose of all such materials in accordance with all federal, state, and local requirements for the proper handling and disposal of such materials.

Uniflex does not practice or provide any architecture or engineering services. If an Owner has a need for architectural or engineering services in relation to the project, the Owner should obtain the services of a competent and properly licensed architect or structural engineer. Neither Uniflex nor its employees offer any opinion or make any representation or warranty, and expressly disclaims any opinion, representation, or warranty, on the strength or soundness of the structure, including the roof deck. Any inspections of the roofing system by Uniflex or its employees are for suitability of the substrate for roof coating application and for warranty issuance purposes only.

END OF SECTION

KST ROOFING SOLUTIONS

SKYLIGHT COATING 19-100 CLEAR

PRODUCT DESCRIPTION

KST Roofing Solutions™ Skylight Coating is a clear, waterborne, 100% acrylic based coating that provides a protective coating over fiberglass skylight panels restoring the panel to its original condition. Its durable, weather-resistant finish increases the panel's light translucent value

GENERAL USES

Over fiberglass skylight panels.

PACKAGING INFORMATION

SKU	SIZE
KST019100-20	5 gallon pail

APPLICATION EQUIPMENT

Airless Spray

- Hydraulic pump with minimum pressure of 2,800 psi, keeping the tip within 12" of the surface

Brush/Roller

- Soft Brushes or a ¾" nap roller may be used. May require multiple coats to achieve proper coverage

WARRANTY

This product is manufactured of good materials and by competent workmen. Seller and manufacturer's only obligation shall be to replace such quantity of product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential arising from the use or the inability to use the product for his/her intended use, and user assumes all risk and liability. Color fade is not covered under warranty.

PRODUCT CHARACTERISTICS

Color	Clear
Vehicle Base	100% Acrylic Resin
Weight per Gallon	8.7 lbs
Solid by Weight	41 ± 2%
Solid by Volume	39 ± 2%
Viscosity @ 77°F	3,000 cps
Dry Film Thickness (@ 1 gal/100 sq. ft. less surface absorption)	6.2 mils
Dry Time	
Exposure	1 hour
Between coats	4-6 hours
Full cure	7 days
<i>Drying Time is temperature, humidity and film thickness dependent</i>	
VOC	≤ 50 g/L
pH	8.5 ± 0.5
Specific Gravity	1.045
Flash Point	None
Solvent	Water
Clean Up	Warm, soapy water

MINIMUM APPLICATION RATE PER SUBSTRATE

Fiberglass panel	300 sq ft per gallon
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APPLICATION CONDITIONS

Do not apply below 50°F (10°C) or when rain is forecast. Applications during periods of low temperature or high humidity (Maximum humidity level: 85%) will extend dry time.

KEEP FROM FREEZING. Refer to product application bulletin for detailed application information.

Surface must be cleaned to remove dirt, loose paint and rust, excessive chalk, and other foreign matter which could prevent proper adhesion. Surface must be completely dry prior to coating.

Skylights with cracks and/or holes must be replaced.

DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of KST Coatings- A Business Unit of the Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of the publication. Consult your KST Roofing Solutions representative to obtain the most recent Product Data Information.

If further information is needed, contact KST Roofing Solutions Technical Service at 1-888-321-3539

Rev. 12/2023

Existing Roof:

