

**INVITATION TO BID
PUBLIC WORKS**

**INTERGENERATIONAL CENTER SCHOOL PAINTING
CITY OF GREENVILLE
NORTH CAROLINA**



Find yourself in good company

PRE-BID MEETING: WEDNESDAY, MAY 27, 2015 @ 10:00 AM
INTERGENERATIONAL CENTER SCHOOL
1101 WARD STREET, GREENVILLE, NC

BID-OPENING: THURSDAY, JUNE 4, 2015 @ 2:00 PM
PUBLIC WORKS ADMINISTRATION BUILDING
1500 BEATTY STREET, GREENVILLE, NC

CONTACT PERSONS:

QUESTIONS REGARDING THE BID PACKAGE:

Mrs. Angelene Brinkley
Purchasing Manager
Telephone: (252) 329-4462
Fax: (252) 329-4464
Email: abrinkley@greenvillenc.gov

QUESTIONS REGARDING THE SPECIFICATIONS:

Mr. Mike Watson
Building Facilities Coordinator
Telephone: (252) 329-4921
Fax: (252) 329-4844
Email: mwatson@greenvillenc.gov

**CITY OF GREENVILLE
ADVERTISEMENT FOR PROPOSALS
“Intergenerational Center School Painting”**

The City of Greenville is requesting proposals for the painting and repairing the exterior of the Intergenerational Center School. The scope of work shall include but is not limited to thoroughly repairing all boxing, painting of all painted surfaces, repair all cracks in the brick or mortar and removing and replacing caulk.

This is a turn-key project.

A mandatory pre-bid meeting and site visit will be held in the Intergenerational Center Chapel, 1101 Ward Street, Greenville, NC on Wednesday, May 27, 2015 @ 10:00 AM.

Sealed proposals will be received by the City of Greenville until Thursday, June 4, 2015 @ 2:00 PM at the Public Works Reception Desk located at 1500 Beatty Street, Greenville, NC 27834.

Mailed bids shall be delivered to 1500 Beatty Street, Greenville, NC 27834 on or before Thursday, June 4, 2015 by 2:00 PM and addressed to Mr. Mike Watson, Building Facilities Coordinator. All sealed bids shall have the words *Bid Enclosed, IGC SCHOOL PAINTING* on the outside of the bid package or mail carrier envelope. Please include company name on the outside of the envelope.

All bids will be marked with the date and time they are received by reception staff. There will not be a public bid opening. Bids will be opened and evaluated at this time by staff and a bid tabulation will be available upon request once the contract is awarded to the successful bidder.

The City of Greenville reserves the right to reject any or all bids, waive any informality and award contracts that appear to be in its best interest. The right is reserved to hold any or all proposals for a period of sixty (60) days from the bid opening thereof.

From the date of this advertisement until the date of opening the proposals, the plans and specifications of the proposed work and/or a complete description of the apparatus, supplies, materials or equipment are and will continue to be on file in the office of the City of Greenville Purchasing Manager, 1500 Beatty Street, Greenville, NC 27834, during regular business hours, and available to prospective bidders. Inquiries should be directed to the Purchasing Manager at the above address --- Telephone (252) 329-4462. Minority/Women owned business are encouraged to submit proposals.

*Angelene Brinkley, Purchasing Manager
City of Greenville
201 W. 5th Street
Greenville, NC 27834*

INSTRUCTIONS TO BIDDERS

**Proposal to Provide
INTERGENERATIONAL CENTER SCHOOL PAINTING
Greenville, NC 27834**

1. Contractor is to provide verification to the City that the company's employees are covered under worker's compensation insurance coverage.
2. It is expressly understood by the contractor offering a proposal after a written notice of award by the City, a written contract will be required to be executed and will serve together with this proposal, these instructions, and any detailed specifications as the entire form of contract between the parties.
3. Each Contractor submitting a proposal is affirming that no official or employee of the City is directly or indirectly interested in this proposal for any reason of personal gain.
4. 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.
5. Questions regarding any procedure for submission of a proposal shall be directed by email to Mike Watson, Building Facilities Coordinator, at mwatson@greenvillenc.gov. The last date to submit questions will be Monday, June 1, 2015 by 11:00 AM.
6. If the Contractor is unable to provide a proposal for any reason, please send an email or letter for explanation.
7. By submitting a proposal, the Contractor attests that it is in compliance with all items listed in the bid/proposal instructions. Furthermore, the Contractor attests that the City of Greenville accepts no responsibility for any injuries to the firm's employees, while on City property performing their duties.
8. Contractor shall comply with all OSHA requirements associated with the work.
9. No work will be performed at any time without proper supervision. Names and experience of supervisors shall be provided.
10. Staging areas for equipment and materials can be arranged on site.
11. Work on this project will have to be performed so as to not disrupt operations of the building. Prior to any work that the contractor feels that will be disruptive should be coordinated with City staff so that any arrangements can be made in advance.
12. All work shall be performed Monday – Saturday during approved hours. Hours of operation shall be 7:00 AM to 7:00 PM. Other hours will have to be approved in advance.
13. Parking for all vehicles will be on the White Street side of the building unless other arrangements can be made at the time of the pre-construction meeting.
14. The Contractor shall accompany a designated representative(s) of the City on inspections of work at any time during the contract period.

**CITY OF GREENVILLE
PUBLIC WORKS DEPARTMENT
SPECIFICATIONS FOR
INTERGENERATIONAL CENTER SCHOOL PAINTING**

1.0 SCOPE:

The scope of work shall include, but is not limited to:

- 1.1 In the base bid, the Contractor shall provide all labor, equipment, materials and insurance necessary to repair all boxing, painting of all painted surfaces on the exterior, repair all cracks in brick or mortar, remove and re-caulk around windows that is in the contract and expansion joints.**
- 1.2 Alternate #1 – Interior Painting. This will include the cleaning, repairing, stain blocking and painting of the entire ceiling of the building that is included in the contract.**
- 1.3 All areas of work shall be scheduled at least one (1) week in advance and be scheduled through the Building Facilities Coordinator**
- 1.4 Refer to Exhibit “B” for specifications and information.**

2.0 PAYMENT AND BID:

- 2.1 Bidders will comply with all local, state, and federal laws and ordinances governing said work including the Occupational Safety and Health Act of 1970.**
- 2.2 By submitting a proposal, the firm is attesting that they are an Equal Opportunity Employer.**
- 2.3 The City of Greenville has adopted an Affirmative Action Program. Firms submitting a proposal are attesting that they also have taken affirmative action to ensure equality of opportunity in all aspects of employment.**
- 2.4 Minority and/or Women Business Enterprise (M/WBE) 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 purchase, and professional and personal service contracts. In accordance with this policy, the City has adopted a Minority and Women Business Enterprise (M/WBE) Plan and subsequent program, outlining verifiable goals.

The City has established a 4% Minority Business Enterprise (MBE) and 4% Women Business Enterprise (WBE) goal for the participation of M/WBE firms in supplying goods and services for the completion of this project. All firms submitting

bids agree to utilize minority and women-owned suppliers and service providers whenever possible.

Questions regarding the City's M/WBE Program should be directed to the M/WBE Office at (252) 329-4862.

2.5 The City of Greenville reserves the right to reject any and all bids, to waive any informalities and to accept the bid if seems most advantages to the City. Any bid submitted will be binding for sixty (60) days after the date of the bid opening.

2.6 Equal Employment Opportunity Clause

The City has adopted an Equal Employment Opportunity Clause, which is incorporated into all specifications, purchase orders, and contracts, whereby a vendor agrees not to discriminate against any employee or applicant for employment on the basis of race, color, religion, sex, national origin or ancestry. A copy of this clause may be obtained at the City Clerk's Office, City Hall, Greenville, NC. By submitting qualifications and/or proposals, the firm is attesting that they are an Equal Opportunity Employer. Federal law (Rehabilitation Act and ADA) prohibits handicapped discrimination by all governmental units. By submitting a proposal, the vendor is attesting to its policy of nondiscrimination regarding the handicapped.

2.7 Contractor shall maintain a current City of Greenville Business license and complete a new vendor application and associated documents as required upon acceptance of this contract.

2.8 The contractor will develop a lump sum bid; that will include, but is not limited to all work, equipment, parts, and labor specified herein.

3.0 WORKERS COMPENSATION AND INSURANCE:

3.1 The contractor shall maintain during the life of this contract, Worker's Compensation Insurance for all employees working at the project site under this contract, or as otherwise required by North Carolina General Statutes.

3.2 The Contractor shall have in place for the life of this contract public liability and property damage insurance and shall protect the City of Greenville from claims for damage or personal injury, which may arise from operations under this contract. The amounts of such insurance shall not be less than \$500,000 for injuries subject to the same limit per person and \$1,000,000 for property damage or otherwise needed to protect the interests of the owner. The Contractor awarded this contract is to provide a Certificate of Insurance showing the City of Greenville named as an additionally insured on all coverage. All insurance shall be maintained during the duration of the contract.

3.3 OTHER INSURANCE:

The contractor shall furnish such additional insurance as may be required by the General Statutes of North Carolina, including motor vehicle insurance in amounts not less than statutory limits. The Contractor will be required to purchase a City of Greenville privilege license from the Collections Division. The Collections Division is located on the first floor of City Hall at 200 W. Fifth Street.

4.0 CANCELLATION:

4.1 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.

4.2 The contractor shall furnish the owner with satisfactory proof of insurance required before written approval of such insurance is granted by the owner. Executed contract documents, insurance certifications, invoices and other information requested, are to be sent to:

*Mike Watson, Building Facilities Coordinator
City of Greenville
101 Hooker Road
Greenville, N.C. 27834
Email: mwatson@greenvillenc.gov*

5.0 DAMAGE TO CONTRACTORS PROPERTY:

5.1 The City of Greenville shall be under no obligation to replace or in any way compensate the contractor for fire, theft, vandalism or any other casualty, injury or damage to equipment or property belonging to the contractor while on City property.

5.2 The successful bidder agrees to indemnify or hold harmless the City of Greenville from and against any liability, loss, cost, damage suit, claim, or expense arising occurrence on the part of the successful bidder to include its officers, servants, agents or employees arising from its activities, operations, and performance of services while on City property and further agrees to release and discharge the City of Greenville and its Agents from all claims or liabilities arising from or caused by the successful bidder in fulfilling its obligations under this Agreement.

5.3 It is understood and agreed by the parties that the City of Greenville will assume no liability for damages, injury, or other loss to the successful bidder, its employees or property, tools or equipment, or to other persons or properties located on City facilities resulting from the successful bidder's activities and operations while performing those service enumerated herein. The successful bidder shall assume full and complete liability for any and all damages on City or private properties caused by or resulting from its activities, operations, and that of its employees, agents and officers.

6.0 ADDENDUM

- 6.1 Addendum: Any changes to the specifications will be issued as a written addendum. No oral statements, explanations, or commitments by whosoever shall be of any effect.**
- 6.2 Amendment: The contract may be amended from time to time through written agreement by both parties.**

7.0 LOCAL PREFERENCE POLICY

- 7.1 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 will pertain to this project. For more information, please see the City of Greenville's webpage at www.greenvillenc.gov/financialservices/purchasingdivision.**

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8.0 REFERENCE INFORMATION

All bidders shall 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 bid 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. _____

9.0 CONTRACTOR INFORMATION

Contractor shall provide the information below with the bid sheet.

**CITY OF GREENVILLE
NORTH CAROLINA
PROSPECTIVE CONTRACTOR DATA FORM**

Company Name: _____

Address: _____

Phone Number: _____ Mobile Phone Number: _____

Email: _____ Business Fax Number: _____

Tax ID# _____

Corporation or Partnership: _____

Number of Years in Business: _____

**CITY OF GREENVILLE
PUBLIC WORKS DEPARTMENT
REQUEST FOR BIDS**

In compliance with the request for bids by the City of Greenville and subject to all conditions and specifications thereof, the undersigned offers and agrees to furnish all equipment, labor and work site clean-up as provided in the above mentioned specifications.

Base Bid:

**INTERGENERATIONAL CENTER SCHOOL
PAINTING**

**Base Bid
Lump Sum Bid Total**

\$ _____
(Include all taxes)

Add Alternate #1 – Interior Painting:

\$ _____

Unit Pricing:

Price per linear foot for additional expansion joint caulking: _____ lf.

Price per linear foot for additional window caulking: _____ lf.

Bid reviewed, prepared and submitted by-

Addenda Received: _____

Company Name: _____

Signed: _____

Print Name: _____

Date: _____

**CITY OF GREENVILLE
PUBLIC WORKS DEPARTMENT**

INTERGENERATIONAL CENTER SCHOOL PAINTING

1. Scope of Work:

1.2 The Contractor shall provide all labor, equipment, materials and insurance necessary to repair all boxing, painting of all painted surfaces on the exterior, repair all cracks in brick or mortar, remove and re-caulk around windows that is in the contract and expansion joints at the Intergenerational Center School. The vestibule areas shall be painted as part of the contract.

a. The Contractor must complete the work in the following manner:

- All work shall be scheduled through the Building Facilities Coordinator at Public Works with at least a one to two week notice.**
- Comply with all OSHA safety standards for performance of this work.**
- Have on hand MSDS sheets on all products being used to perform this work.**
- Use drop cloths or plastic to protect areas from paint chips, debris and splattered paint.**

2. Paint Specifications for Work:

a. Preparation:

- Wood – Clean all wood surfaces to remove dirt, oil, or foreign substances. Sandpaper smooth those surfaces exposed to view, and dust off. Scrape off all loose paint. Fill all imperfections with putty or plastic wood filler.**
- Cementitious surfaces – Prepare by removing efflorescence, chalk, dust, dirt, and grease by roughing to remove glaze. Patch all concrete ceiling areas; remove all fins and rough spots.**
- Ferrous metals – Clean ferrous surfaces by mechanical cleaning and sand any rust areas.**
- Galvanized metals – Clean free of oil and surface contaminants with non-petroleum based solvent.**

b. All primed surfaces and existing wood surfaces must have two (2) coats of Full gloss exterior alkyd enamel.

c. Do not apply to damp or wet surfaces, during inclement weather or when relative humidity exceeds 85%.

d. All repair work to boxing should match existing structure.

- e. All cracks in brick and joints must be pointed up with flexible joint sealant as manufactured by Sherwin Williams or approved equal
- f. All metal surfaces shall be painted as follows:
 - Ferrous metals – Semi-gloss alkyd enamel
 - Zinc coated metal – Semi-gloss enamel
- g. All colors shall match the existing colors at the areas/items being painted.
- h. Rusted exterior metal shall be primed with 646 Primer prior to final coat.

Note: Provide best quality grade of coatings as manufactured by Sherwin Williams or approved equal.

3. Caulking Specifications for Work:

- a. Remove all old caulking around windows, vents and other penetrations. Clean all surfaces and install new caulking. Color to be selected from full range of manufacturers selections.
- b. At expansion joints, remove the existing expansion joint material down to the base material, and install new closed cell backer rod and high quality sealants. Color to be selected from full range of manufacturers selections.
- c. Use Loxon S1 Polyurethane Sealant by Sherwin Williams or approved equal for the window and expansion joint caulking.
- d. Follow all manufacture instructions and safety information for the removal of existing caulk, prepping, installation and clean-up of the new caulk.
- e. The bid amount for the base bid shall be on the total linear feet for the building. Totals for the building are:

- Caulking at Windows & Doors: 640 lf.
- Expansion Joints: 85 lf.

4. Cleanup and protection:

- a. During progress of work, remove from site discarded paint materials, rubbish, cans, and rags at end of each work day in accordance with State and Federal regulations. Upon completion of painting work, clean window glass and other paint splattered surfaces. Remove splattered paint by proper methods of washing and scraping, using care not to scratch or otherwise damage finished surfaces. Provide wet paint signs as required to protect newly painted surfaces. Remove temporary protective wrappings at completion or work.

- b. Protect all areas by using drop cloths and/or plastic from paint chips, debris and splattered paint.**
- c. All landscaping, sidewalks, etc. shall be protected. Any damage caused by the Contractor shall be corrected to match the existing once the work is completed.**
- d. Use “Wet Paint” signs as needed.**

5. Warranty:

- a. The warranty shall be for two (2) years for all labor and materials.**

6. Duration

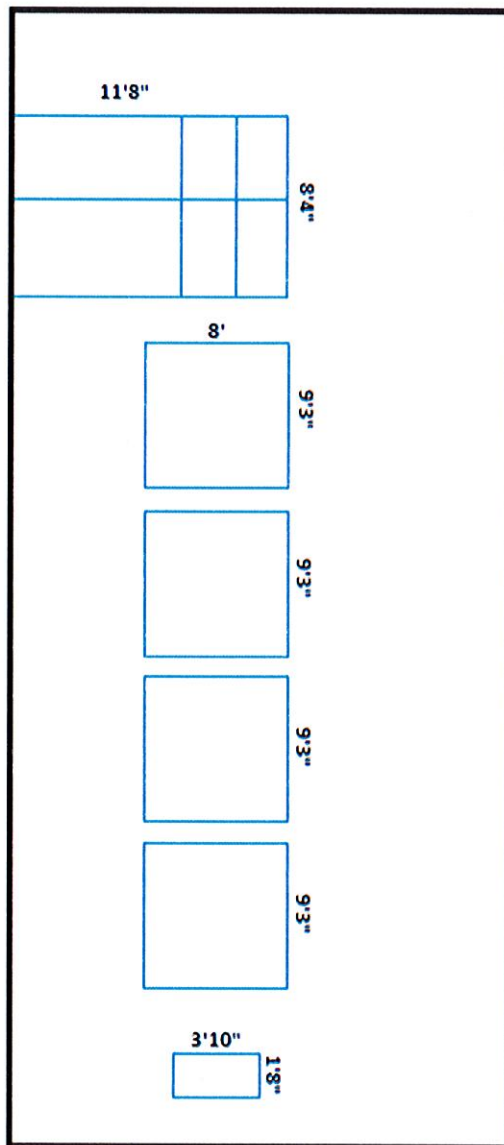
- a. Work is expected to begin within 15 days of contract award and must be completed within 30 days. Work must be approved by Staff prior to payment of invoice.**

7. Alternate #1 – Interior Ceiling Painting:

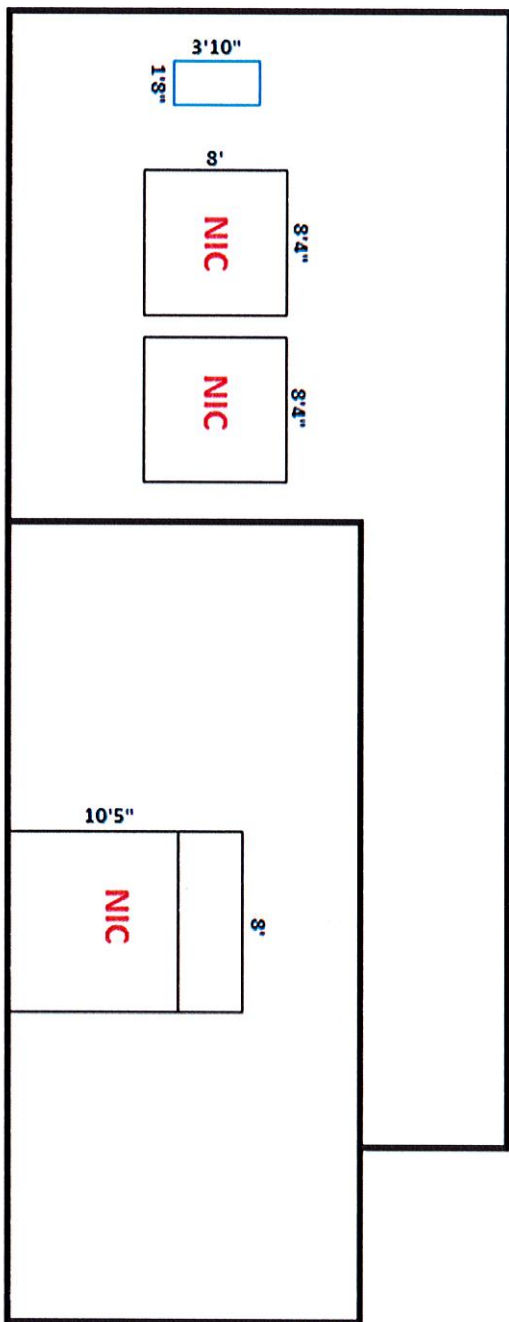
- a. Clean, repair and apply stain block and finish paint on the ceiling throughout the building. Do not include the Auditorium or Stage area.**
- b. Paint is to match the existing color and sheen. Use low VOC paint.**
- c. Protect surrounding areas and the public and staff while conducting the work.**



Caulking Measurements



East



West

LOXON™ S1

One Component Smooth Polyurethane Sealant



**SHERWIN
WILLIAMS.**

PRODUCT DESCRIPTION

Loxon™ S1 is a one component, high performance, moisture cure, non-sag, gun-grade elastomeric polyurethane sealant. It is designed for a wide range of sealing and caulking applications in joints subject to structural movement. After curing, Loxon™ S1 exhibits a flexible, resilient, rubber-like appearance that adheres to a wide variety of substrates. It provides up to 70% total joint movement and is especially effective in joints between dissimilar substrates. Loxon™ S1 is VOC compliant in all 50 states.

APPLICATIONS

Expansion joints, interior / exterior - above and below grade, aluminum and wood window frames, vinyl siding, skylights, doors, foundations, fascia, precast units, store front assemblies, panel walls, roofing, and parapets.

SUBSTRATES

Cementitious board, masonry, stucco, concrete, wood, vinyl, aluminum, steel, ceramics, clay and concrete roof tiles, natural stone.

Meets or exceeds the following specifications:

- ASTM C-920, Type S, Grade NS, Class 35, Use: NT, A, M, O, T
- Federal Specification TT-S-00230 C, Type II, Class A, Non-Sag, One Component
- CAN/CGSB-19.13-M87

PRODUCT AVAILABILITY*

Sales #	SKU / Rex	Color	Size
6505-94898	SU21S0010	White	10.1 oz Cartridge
6506-87189	SU21S0110	Off-White	10.1 oz Cartridge
6506-87353	SU21S4110	Limestone	10.1 oz Cartridge
6506-87411	SU21S2110	Stone	10.1 oz Cartridge
6506-87445	SU21S2210	Tan	10.1 oz Cartridge
6506-87494	SU21S4510	Aluminum Gray	10.1 oz Cartridge
6506-87502	SU21S7110	Redwood Tan	10.1 oz Cartridge
6506-87734	SU21S3510	Medium Bronze	10.1 oz Cartridge
6506-87783	SU21S3610	Special Bronze	10.1 oz Cartridge
6506-87841	SU21S5010	Black	10.1 oz Cartridge
6506-87007	SU21S0043	White	20 oz Sausage
6506-87312	SU21S0143	Off-White	20 oz Sausage
6506-87361	SU21S4143	Limestone	20 oz Sausage
6506-87429	SU21S2143	Stone	20 oz Sausage
6506-87452	SU21S2243	Tan	20 oz Sausage
6506-87510	SU21S4543	Aluminum Gray	20 oz Sausage
6506-87726	SU21S7143	Redwood Tan	20 oz Sausage
6506-87759	SU21S3543	Medium Bronze	20 oz Sausage
6506-87809	SU21S3643	Special Bronze	20 oz Sausage
6506-87858	SU21S5043	Black	20 oz Sausage

* Not all products are stocked in all DSCs.

ASTM TEST DATA

TABLE 1: TYPICAL UNCURED PROPERTIES*

Property	Value	Test Method/Note
Tack free Time	Passes	TT-S-00230C/ASTM C679
Curing Time @75°F, 50% relative humidity	skins <24hrs, full cure approx one week	Varies with relative humidity
Flow, Sag or Slump	Passes	TT-S-00230C/ASTM C639
Staining	Passes	TT-S-00230C/ASTM C510

TABLE 2: TYPICAL PROPERTIES* (After full cure at 75°F & 50% RH)

Property	Value	Test Method/Note
Hardness (Shore A)	27+/- 2	ASTM D2240/ASTM C661
Tensile Strength	350 psi	ASTM D412
Elongation	800%	ASTM D412
Adhesion in Peel	30 pli	TT-S-00230C/ASTM C794
Stain & Color Change	Passes	TT-S-00230C/ASTM C510
Ozone Resistance	Good	
Joint Movement Capability	+ or - 35%	TT-S-00230C/ASTM C719
UV Resistance	Good	ASTM C793

*Values given above are not intended to be used in specification preparation.

The physical properties of fully cured Loxon™ S1 will remain relatively unchanged over a temperature range of -40°F to 210°F.

LOXON™ S1 One Component Smooth Polyurethane Sealant

LIMITATIONS

Not recommended for:

- Porous substrates subjected to continuous water immersion.
- Joints contaminated with grease, wax, corrosion, bitumen or cement laitance.
- Horizontal joints in floors or decks where abrasion or physical abuse is encountered.
- Special architectural finishes without proper testing.

LOXON™ S1 sealant should be dry tooled. Tooling techniques using solvents or soapy solutions are not recommended.

All surfaces must be evaluated for adhesion prior to use. Not designed as a glazing sealant in which the adhesive bond to glass is exposed to sunlight. The user or specifier should establish that any application in glazing will not expose the glass bond to appreciable amounts of ultraviolet radiation.

The surface of LOXON™ S1 sealant, when exposed to UV rays and sunlight, will yellow and not retain its gloss. This may occur within a few weeks after exposure. The change of color is limited to the surface layer of the seal and should not compromise the sealing properties of the LOXON™ S1 if the dimensions of the joint are proper and the sealant is otherwise properly applied. In areas where color retention is critical, please refer to LOXON™ H1. LOXON™ S1 will remain tacky for a few hours and attract dust and dirt from the jobsite which may affect the appearance of the sealant. Check tack-free time to prevent dirt pickup. Dampness and porous substrates with high moisture will trigger extensive curing of the sealant within a very short period of time. This may cause an excess of bubbling and foaming within the sealant and at the bottom of the bead.

During the cure time of LOXON™ S1, do not expose to curing silicone sealants, curing LOXON™ H1, alcohol based materials or solvents, acids, or solvent-based materials.

Until the sealant is fully cured, do not expose the sealant to any mechanical stress. Uncured sealant will not respond properly to cyclic expansion and contraction of the joint specified for the cured sealant only.

LOXON™ S1 must not be used to seal narrow joints, fillet joints, and face nail holes.

Smearing and feathering LOXON™ S1 over joints is not recommended.

Lower relative humidity and temperature will significantly extend the curing time. Confined areas, deep joints and moisture barrier substrates may also extend the cure time.

TECHNICAL DATA:

LOXON™ S1 exhibits excellent weatherability when exposed to ultraviolet radiation, atmospheric hydrocarbons and extremes in temperature. Joints designed to accommodate 70% total joint movement will not affect the seal or adhesion bond.

Joints properly designed and sealed will extend and compress a total of 70% of the installation width with no more than 35% movement in a single direction.

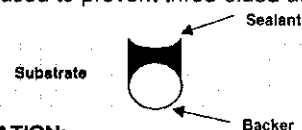
Cured sealant can be painted with emulsion or synthetic enamel paints. LOXON™ S1 will be virtually unaffected by contact with water after cure on non-porous substrates.

On porous substrates, priming is recommended if the sealant will be subjected to prolonged periods of immersion.

PRECAUTIONS: IF THIS PRODUCT IS USED IN DIRECT CONTACT WITH ANY OTHER SEALANT OR ELASTOMER A COMPATIBILITY TEST MUST BE CONDUCTED, BY PURCHASER OR USER, PRIOR TO ACCEPTANCE. LOXON™ S1 SEALANT IS NOT COMPATIBLE WITH OXIME CONTAINING SILICONE SEALANTS.

INSTALLATION: JOINT DESIGN AND PREPARATION

Joint design depends on a variety of factors, such as the maximum expansion and contraction of the substrate from thermal change. Recommended maximum joint width should not exceed 1-1/4" (1.250") (3.175cm) and the maximum joint depth should not exceed 1/2" (0.500") (12.69mm). Minimum joint width should not be less than 1/4" (0.250") (0.34mm). The sealant depth should be 1/4" (0.34mm) for joints 1/4" in width. For joints over 1/4" in width, depth should be 1/2 of the joint width but should not exceed 1/2" (0.500") (12.69mm) in depth. In order to obtain the recommended sealant mass, the joint should be filled with closed cell backer rod first, leaving the proper depth to be filled with sealant. Desirable backer rod materials are polyethylene or polyethylene non-gassing foamed rod. Do not prime or puncture the closed cell structure of polyethylene rod as bubbles could form and migrate to the surface of the curing sealant. The use of open cell backer rod is not recommended. In situations where joint depth does not allow for use of backer rod, bond breaker (polyethylene strip) should be used to prevent three-sided adhesion.



SURFACE PREPARATION:

Old sealant should be completely removed. Concrete and masonry surfaces must be free of foreign matter and contaminants. Dust and loose particles should be blown out of joints. A clean, dry, sound and uncontaminated surface is mandatory. Stone surfaces must be cohesively sound, dry and free of contaminants. Granite, limestone, marble and sandstone must be pre-tested for adhesion prior to sealant installation.

Mill finish aluminum may contain an invisible oil film or oxide. Clean with an appropriate solvent. The use of solvents may be hazardous to your health. Use only in well ventilated areas. KEEP AWAY FROM OPEN FLAME. Read all labeling before use and follow solvent manufacturer's recommendations and instructions for safe handling. Many high-performance coatings or unusual surface treatments may require abrasion of the surface with steel wool or fine emery paper during preparation.

PRIMING:

Certain situations or substrates may require a primer. Ensure compatibility *before* using primers. See primers PDS for details (SUPRIQD13, SUPRIPS13).

- Priming of masonry or other porous substrate joints is recommended only if the joints will be subjected to prolonged immersion. Joints subjected to intermittent immersion or vertical joints subjected to rain should perform without the need of a primer.

LOXON™ S1 One Component Smooth Polyurethane Sealant

- b) It is recommended that all surfaces be pre-tested with LOXON™ S1 Sealant to determine if cleaning will be necessary to remove surface contamination. In the case of some exotic coatings, priming or other surface treatment may be necessary.
- c) LOXON™ S1 Sealant is compatible with most coatings and treatments, but due to the vast numbers of, and types of surface coatings available, Sherwin-Williams recommends pre-testing LOXON™ S1 Sealant on the surface in question. Follow manufacturer's recommended recoat times for application of LOXON™ S1 Sealant to primers or treatments. Check primer or treatment for surface contaminants prior to application of sealant.

METHOD OF APPLICATION:

All surfaces must be structurally sound, clean, dry, and fully cured. A field adhesion (pull test) in test joints is recommended, before application. Apply LOXON™ S1 sealant in a continuous operation, using a professional grade caulking gun and positive pressure adequate to properly fill and seal the joint.

TOOLING:

LOXON™ S1 sealant should be dry tooled. Tooling techniques using solvents or soapy solutions are not recommended. Tooling of freshly applied sealant is necessary for proper adhesion. Tool the sealant with adequate pressure to spread the sealant against the back-up material and onto the joint surfaces. If joint surfaces have been masked, remove masking tape immediately after tooling.

PAINTING:

Exercise caution if painting. When painting over LOXON™ S1 Sealant with primers, top-coats or treatments, cracking or peeling of these coatings could occur because of joint movement. In general, oil-based paints are not recommended because of their relatively poor elastic properties and because of their potential interaction with the sealant chemistry, which may create non-curing conditions for the painted sealant. Do not paint over LOXON™ S1 sealant until it has fully cured. Cure is dependent on temperature and humidity and may take 7 or more days.

LOXON™ S1 sealant when applied in a typical 1/2" x 1/4" bead and backed with a suitable bond-breaker at 75°F and 50% RH, will be acceptable for painting with breathable coatings within 48 hours and non-breathable coatings after 72 hours. Warmer, more humid conditions will allow LOXON™ S1 sealant to cure more quickly and conversely, cooler and/or drier conditions will lengthen the cure time. A small test area is strongly recommended.

CLEANING:

Cured sealant is very difficult to remove. Excess sealant and smears should be dry-wiped from all surfaces while still uncured, followed with a commercial solvent such as xylol, toluol or methyl ethyl ketone. The use of these solvents (or other solvents) may be hazardous to your health.

KEEP AWAY FROM OPEN FLAME. Read all labeling before use, and follow solvent manufacturer's recommendations and instructions for safe handling. Tool and application equipment may also be cleaned with the same solvents. The dried sealant can be removed by cutting with a sharp-edged tool; thin films by abrading.

CAUTIONS

CONTAINS METHYLENE DIISOCYANATE. Contents are **COMBUSTIBLE.** Keep away from heat and open flame. Gives off harmful vapor of solvents and isocyanates. **DO NOT USE IF YOU HAVE CHRONIC (LONG-TERM) LUNG OR BREATHING PROBLEMS, OR IF YOU HAVE EVER HAD A REACTION TO ISOCYANATES. USE ONLY WITH ADEQUATE VENTILATION. AN APPROPRIATE PROPERLY FITTED APPROVED NIOSH RESPIRATOR MAY BE EFFECTIVE.** Follow directions for respirator use. Wear a respirator while applying the product and until all vapors are gone. If you have any breathing problems during use, **LEAVE THE AREA** and get fresh air. If problems remain or happen later, **IMMEDIATELY** call a doctor - If not available get emergency medical treatment. Have this label with you. **IRRITATES SKIN AND EYES.** Avoid contact with eyes and skin. Keep container closed when not in use. Reacts with water in closed container to produce pressure which may cause container to burst. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water for 15 minutes and get medical attention. For skin contact, wash thoroughly with soap and water. In case of respiratory difficulty, provide fresh air and call physician. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.** Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

SHELF LIFE:

LOXON™ S1 Sealant will exhibit a 12 month shelf life from the date of manufacture when stored at room temperature.

LIMITED WARRANTY

LIMITED WARRANTY: Sherwin-Williams warrants for one year from date of use if used as directed and within product shelf life (as set forth in the current Sherwin-Williams Product Data Sheet (the "PDS") for this product) that this product will be free from manufacturing defects and meet the specifications set forth in the product PDS. Sherwin-Williams makes no warranty as to appearance or color. If this product fails to meet the foregoing warranty, as your sole remedy, upon proof of purchase, we will replace the product at no cost or refund the original purchase price. Labor or costs associated with labor not included. This warranty is made to the original purchaser and is not transferable. **THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY, WHICH ARE ALL DISCLAIMED AND/OR LIMITED IN DURATION TO THE EXTENT PERMITTED BY LAW. WE SHALL NOT BE LIABLE FOR INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING LOST PROFITS) FROM ANY CAUSE WHATSOEVER.**

LOXON™ S1 One Component Smooth Polyurethane Sealant

Coverage in Lineal Feet One cartridge (10.1fl. Oz)				
Depth in Inches				
Width in inches		1/4"	3/8"	1/2"
	1/4"	24'	-	-
	3/8"	16'	-	-
	1/2"	12'	-	-
	5/8"	10'	7'	-
	3/4"	-	6'	4'
	7/8"	-	5'	4'
	1"	-	4'	3'

When using this reference chart, you **MUST** consider the physical limitations of the product you are using. Not all products can be used in the gap sizes shown.

Performance Tips:

- Prevent Loxon™ S1 from coming into contact with oil-based sealants, uncured silicone sealants, polysulfides, or fillers that contain oil, tar or asphalt.
- LOXON™ S1 Sealant will not adhere to previously applied silicone sealants.
- Protect unopened containers from direct sunlight and heat.
- In cool or cold weather, store container(s) at room temperature for at least 24 hours, before using.
- Loxon™ S1 can be applied below freezing temperatures only if: substrates are completely dry and free of moisture, and clean.
- Do not apply over freshly treated wood; treated wood must have been weathered for at least six months.
- Do not use in swimming pools or other submerged conditions where the sealant will be exposed to strong oxidizers/chlorine. Avoid submerged conditions where water temperatures will exceed 120° F (50° C).
- Substrates such as stainless steel, copper, and galvanized steel typically require the use of a primer. Loxon™ Quick Dry primer SUPRIQD13 is acceptable. Loxon™ Quick Dry primer SUPRIQD13 can also be used for Kynar 500 based coatings. An adhesion test is recommended for any questionable substrate.
- Loxon™ S1 should **not** be used in glazing applications. Do **not** apply on glass or plastic glazing panels.