INVITATION FOR BID

The Housing Authority of the City of Lakeland (also known as the Lakeland Housing Authority or LHA) acting for itself and/or for its various instrumentalities and affiliates will accept sealed bids from professional painting contractors for the **Repainting of All Previously Painted Exterior Areas of The Housing Authority of the City of Lakeland** located at 430 Hartsell Avenue, Lakeland, Florida 33815. The bidding contractor must have, at least, five (5) years' experience in painting commercial structures to be considered for this bid. The complete Bid Package may be obtained by emailing your request to ***leyer@lakelandhousing.org*** or our website at ***Lakelandhousing.org*** Procurement.

All bids must be submitted by **2:00 PM.**, **Eastern Time**, on **Monday, June 7, 2021** at which time, bids will be publicly opened and read aloud. Any bid received after the closing time will not be considered.

LHA strongly encourages the participation of Minority, Women-owned businesses, and Section 3 firms in this and all LHA projects, programs, and services.
There will be a Pre-Bid Conference on **Friday, May 28, 2021 at 9:00am., Eastern Time.** The conference will be held in the Board Room at Lakeland Housing Authority. The address is 430 Hartsell Avenue, Lakeland, Florida 33815.

LAKELAND HOUSING AUTHORITY

INVITATION FOR BID
For
REPAINTING OF ALL PREVIOUSLY PAINTED EXTERIOR AREAS OF
The Housing Authority of the City of Lakeland

I. GENERAL BID CONDITIONS:

Communications--In order to maintain a fair and impartial competitive process, LHA shall avoid private communication concerning this procurement with prospective bidders during the entire procurement process. Please respect this policy and do not attempt to query LHA personnel regarding this Invitation to Bid.

Ex parte communication regarding this solicitation is prohibited between a potential or current bidder and any LHA Board of Commissioners member, LHA staff, or any other person serving as an evaluator during this procurement process. Respondents directly contacting any LHA Board of Commissioners member, LHA staff, or evaluators regarding this solicitation risk the elimination of their bids from consideration. Correspondence with **Lori Halula-Eyer,** LHA's Senior Manager of Procurement, does not constitute *ex parte* communication. Oral instructions or information concerning the specifications of this bid given out by any LHA Board of Commissioners member, LHA employee, or agent to a prospective bidder shall not bind LHA.

A Pre-Bid conference will be held on:

> **Friday, May 28, 2021** at **9:00 a.m., Eastern Time**, in the LHA Board Room, located at 430 Hartsell Avenue, Lakeland, Florida. The site visit of the property will follow.

Although this is not a mandatory meeting, all potential bidders are *strongly* encouraged to attend this bidders' conference and site visit. In the event that a potential bidder is unable to attend this meeting but has questions that he/she would like to have addressed at the bidders' meeting, the potential bidder may email questions to Leyer@lakelandhousing.org prior to **8:00 a.m., Eastern Time, on Thursday, May 27, 2021**. Receipt of request will be acknowledged. A response will be sent to all potential bidders who received this IFB directly from LHA on or before **5:00 p.m., Eastern Time,** on **Friday, May 28, 2021.**

SUBMISSION OF BIDS--

A. An **original bid**—designated as the "original" and signed in blue ink--and one. (1) copy of the bid are to be transmitted by mail or hand-delivered addressed to:

> **The Receptionist**
> **ATT: Lori Halula-Eyer,**

Sr. Program Manager
re: Repainting of All Previously Painted Exterior Areas of The Housing Authority of the City of Lakeland

430 Hartsell Avenue
Lakeland, Florida 33815

The outside of the envelope must indicate the name and address of the firm submitting the bid as well as the title of the bid being submitted.

Any bid transmitted by facsimile, electronic mail, or not in compliance with the above instructions may not be considered. All bids and accompanying material will become the property of LHA and will not be returned to the bidder.

B. **Modifications**--LHA reserves the right to modify this Invitation for Bid as deemed necessary by LHA. Any such modification or amendment will be sent by email on or before **5:00 p.m**. on **Friday, May 28, 2021** to all potential bidders who received this IFB directly from LHA.

LHA also reserves the right; to increase or delete any scheduled items; to award portions of this IFB; waive informalities and technicalities; to make no awards; to terminate this IFB solicitation at any time; and to make awards consistent with LHA's policies and the laws governing the U.S. Department of Housing and Urban Development (HUD) and/or State of Florida programs.

C. **Validity**--Bids may be held by LHA for a period not to exceed sixty (60) calendar days from the date of opening bids for the purpose of reviewing the bids and investigating the qualifications of the bidders prior to awarding the contract. During this time, LHA or its agent reserves the right to obtain clarification of any item in a submitted bid or to obtain additional information necessary to properly evaluate a bid. Failure of a bidder to respond to such a request for additional information or clarification could result in rejection of that bid.

D. **Withdrawals**--No bid shall be withdrawn subsequent to the opening of bids without the consent of LHA. LHA reserves the right to accept or reject any and all bids or any part of any bid and to waive any informalities or irregularities in the bid or in the bidding process. Receipt of a bid does not commit LHA to award a contract, pay any of the costs associated with preparation of the bid, or to reimburse a bidder for any costs incurred prior to the signing of a contract. The contract will be awarded to that fully qualified responsible bidder who offers the lowest price and whose bid is responsive to this solicitation.

E. **Disputes**--In case of any doubt or differences of opinions as to the items or service to be furnished hereunder or the interpretation of the provisions of the Bid Package, the decision of LHA shall be final and binding upon all parties.

F. **Conflict of Interest**—No LHA or LPHC Board of Commissioners member, LHA or West Lake Management staff, or member of the City of Lakeland Commission shall, during his/her tenure or for one (1) year thereafter, have any

interest, direct or indirect, in this contract or the proceeds thereof.

II. SCOPE OF REQUIRED SERVICES

The successful bidder shall furnish all necessary labor, materials, tools, equipment, fuel, transportation, and supervision necessary to provide the following goods and services to repaint all previously painted exterior areas of The Housing Authority of the City of Lakeland.

It is the bidder's responsibility to visit and familiarize itself with the structures to be painted as well as to be able to meet or exceed the specifications contained in this Bid Package.

The bidder is responsible for making accurate measurements and accurately determining the quantity of materials, labor, and equipment needed to successfully complete the work. Such inspections may be made during normal business hours, Monday through Friday. If assistance is required, please contact **Lori Halula-Eyer**, **LHA Senior Manager of Procurement, at (863)687-2911, extension #1011.**

1.0. GENERAL CONDITIONS:

The work in general includes surface preparation, surface repairs, caulking, sealants, patching, and application of the paint coating to the substrates and systems outlined in this specification. It is the intent of the specifications that all surfaces (except those specifically noted otherwise) be painted or finished for a thoroughly complete job in every respect whether every item is herein specified or not.

1.1 The Painting Contractor shall purchase all paint and associated products to complete the specified job. The Painting Contractor will pay for all materials purchased for specified job.

1.2 The Painting Contractor shall execute the work in accordance with label directions. Coating application shall be made in strict conformance to these specifications and to the manufacturer's instructions on the product labels and product data sheets.

1.3 No work shall be performed by any sub-contractor without the written consent of LHA.

1.4 Only the paint manufacturer's thinners/reducers may be used to thin the respective products and only in the amounts prescribed.

1.5 The Painting Contractor may substitute materials which ***meet or exceed*** the specifications of the brand name product specified. **The Bidder must submit the specifications of the desired substitute product(s) for the LHA's approval with its submitted Bid Form.**

1.6 The Painting Contractor will be responsible for site-clean up as well as hauling-off any painting-related debris including, but not limited to paint containers, tape, plastic sheeting, etc.

2.0. SCOPE OF WORK:

Without restricting the volume or generality of the above, the work to be performed shall include, but is not limited to the following:

2.1 Exterior Entry Doors- Thoroughly clean doors, prime and topcoat.

2.2 Exterior Roll-up Door- Thoroughly clean entire area, prime and finish.

2.3 Exterior Stucco Walls- Thoroughly pressure wash entire area to remove chalk and other containments. Apply masonry conditioner to seal chalk and apply topcoat as in specifications. Remove old patching material. Remove loose debris and repair using masonry patch. Neutralize mildew with an appropriate mildew cleaner. Thoroughly clean entire area, fill voids and cavities with appropriate patch such as Stop Gap Insulating Foam to prevent water intrusion. Remove coating back to rusty metal and abrade metal to remove corrosion. Prime metal, repair area with appropriate masonry materials. Scrape loose paint well adhered edges and check for moisture migration. Remove loose debris from cracks and apply patch to repair cracks.

2.4 Exterior Windows- Clean mildew with appropriate mildew cleaner, remove old sealant and install sealant. Backer Rod may need to be installed.

2.5 Exterior Handrails- Remove loose concrete from cavity around handrail post and remove peeling paint and rust from steel post. Check for structural integrity. Fill cavity with Miracle Bond Repair Epoxy.

2.6 Sidewalk and wall joints- Thoroughly clean entire area, remove sealant and install sealant. Backer Rod may need to be installed.

2.7 Stucco Walls- Seal open seams on building penetrations to prevent water intrusion.

3.0 EXCLUSIONS

Any factory finished surfaces, HVAC, and attached lighting fixtures.

4.0 MATERIALS

4.1 All materials to be used are from the Sherwin-Williams Company or an

LHA- approved equivalent. The chosen color scheme #1 is attached as part of Sherwin Williams Specifications in this Invitation For Bids.

4.2 All paints shall be delivered to the property in the original container with the manufacturer's label intact.

4.3 The paint shall be used and applied per label and data sheet instructions. The material shall not be thinned or modified in any way unless specified herein. Proper surface preparation and conditioning of the surface shall be. strictly adhered. All surface preparation (including patching, caulking, applying sealant and priming, as required) must be approved by **Lori Halula-Eyer, LHA Senior Manager of Procurement**. Failure by the successful bidder to obtain approval of the above work by Lori Halula-Eyer may result in rejection of the work and the requirement to correct the deficiency.

4.4 All paint and sundries at the job site shall be available for inspection at any time upon commencement of the job by LHA, Sherwin-Williams, or their representatives.

5.0 PROTECTION OF SUBSTRATES NOT TO BE PAINTED

Contractor shall protect his/her work at all times and shall protect all adjacent work and materials by suitable covering or other methods during progress of work. The contractor will protect all adjacent areas not to be painted by taking appropriate measures. Areas to be protected are windows, brick, surrounding lawn, trees, pavers, vehicles, and shrubbery. Upon completion of work, the contractor shall remove all paint droppings and over-spray from glass, concrete, and other surfaces not included in the specification, such as, but not limited to vehicles, and other surfaces.

6.0 MINIMUM SPECIFICATIONS

If instructions contained in this specification, bid document, or painting schedule are at variance with the paint manufacturer's instructions or the applicable standard, and codes listed, surfaces shall be prepared and paint applied to suit the higher standard, as solely determined by LHA.

7.0 RESOLUTION OF CONFLICTS

Contractor shall be responsible for requesting prompt clarification when instructions are lacking, when conflicts occur in the specifications and/or paint manufacturer's literature, or the procedures specified are not clearly understood. Any questions concerning these specifications should be clarified prior to commencing the job. Any changes to these specifications would require written approval by LHA.

8.0 COORDINATION OF WORK

The general contractor (and subcontractor) shall be responsible for coordination of its work with the other crafts and contractors working in the same property and with LHA.

9.0 SAFETY

All pertinent safety regulations shall be adhered to rigidly. In addition, all safety language contained in the manufacturer's product data sheets and labels shall be observed. Material Safety Data Sheets and Product Data Sheets are available from paint distributer.

10.0 JOB SITE VISITATION

10.1 The contractor shall be responsible for visiting the job site and familiarizing itself with the job and working conditions.

10.2 All work during application is subject to inspection by **Lori Halula-Eyer, LHA Senior Manager of Procurement**. The paint distributor will also perform on-site visits to ensure specifications are being followed.

10.3 It will be the paint contractor's responsibility to own and use a wet film thickness gauge to check application thickness as the work proceeds.

10.4 After surface preparation and after priming, the paint distributor will perform a site visit to determine if specifications were followed prior to final approval to move forward with the finish coat.

10.5 Any questions concerning these specifications should be clarified prior to commencing the job. Any changes to these specifications would require written approval of **LHA.**

11.0 SURFACE PREPARATION

11.1 Each surface shall be cleaned and prepared as specified. The painting contractor is responsible for the finish of the work. Should any surface be found unsuitable to produce a proper paint or sealant finish, **Lori Halula-Eyer**, LHA Senior Manager of Procurement, shall be notified, in writing, and no materials shall be applied until the unsuitable surfaces have been made satisfactory. Commencing of work in a specific area shall be construed as acceptance of surfaces and, thereafter, as fit and proper to receive finish. The contractor is fully responsible for satisfactory work.

11.2 All deteriorated substrates (i.e., wood, foam bands, etc.) will be brought to the attention of **Lori Halula-Eyer**, LHA Senior Manager of Procurement. Replacement of these surfaces will need approval by **Lori Halula-Eyer**

unless otherwise stated in the contract.

11.3 All exterior surfaces shall be pressure cleaned to remove all dirt, mildew, chalking paint, and any foreign materials deterrent to the new finish (see Pressure Washing section).

11.4 Thoroughly clean exterior entry doors. Prime with Pro Industrial ProCryl Primer & topcoat with Pro Industrial Waterbased Alkyd Urethane Enamel.

11.5 All surfaces should be cleaned to remove all chalk, dirt, stains, efflorescence and other surface contaminants. These areas should then be pressure washed and scrubbed with a bleach and/or cleaning solution. Bleach will kill any mold or mildew and a cleaner/degreaser will remove any dirt which is embedded in the previous coating.

11.6 All ferrous metals should be thoroughly cleaned, and all loose rust or mill scale be removed by wire brush and/or hand tool. Any rust spots or bare metal should receive the appropriate prime coat.

12.0 MOISTURE

All areas that may cause paint failure due to moisture should be addressed. This would include but is not limited to:

- Previous coats of paint not adhering properly.
- Deteriorated caulking. Especially around windows.
- Gaps between substrates
- Areas affected by water splashing.
- Painting in inclement weather
- Painting a wet substrate
- Faulty decorative bands, window brows, returns and sills.
- Exterior ceilings where peeling is evident.

13.0 PRESSURE WASHING AND SURFACE PREPARATION METHODS

13.1 Saturate the substrates with a cleaner/degreaser via chemical injector (pressure washer) or pump sprayer. Pressure wash or water blast to remove oil, grease, dirt, loose mill scale, and loose paint by water at pressures of 2500-3000 psi., at a flow of 4-14 gallons per minute. This is a general guide based on standing 2-5 feet from the substrate. Power tool clean to remove loose rust and mill scale. Hand tool clean to sand all glossy surfaces to promote adhesion.

13.2 Remove mildew per the following:

a. Tools: Stiff brush or chemical injector power washer method.

b. Mix a solution of 3 parts water to 1-part bleach.
Important: Add the bleach to water only.

c. Use application methods described above until the surface is visibly wet.
Be careful to protect any plants or shrubbery.

d. In confined areas, use a brush to apply the solution.

e. After mildew spores have been destroyed and the stains bleached, rinse with clean water to thoroughly remove the bleach solution. **Note:** If residue is left on the substrate problems may occur with the finish coat of paint. Bleach leaves a slimy feeling residue. This is how to tell if there is still bleach on the wall.

f. Allow substrate to dry completely before painting.

14.0 PAINTING APPLICATION

14.1 Contractor shall be responsible for notifying **Lori Halula-Eyer**, LHA Senior Manager of Procurement, before beginning work if conditions substantially exceed the scope of work contained in this Bid Package.

14.2 Only skilled mechanics shall be employed. Applications may be by brush, roller or spray, upon approval of **Lori Halula-Eyer**, LHA Senior Manager of Procurement.

14.3 At least one English-speaking contractor's representative will be on the job at all times.

14.4 The contractor shall protect its work at all times and shall protect all adjacent work and materials by suitable covering or other method during progress of the work. Upon completion of work, the contractor shall remove all paint and varnish spots from floors, glass, and other surfaces. The contractor shall remove from premises all rubbish and accumulated materials of whatever nature not caused by others and shall leave the contractor's part of work in a clean, orderly, and acceptable condition.

14.5 Remove or protect hardware, accessories, device plates, lighting fixtures, factory finished work, and similar items or provide ample in-place protection. Upon completion of each space, carefully replace all removed items.

14.6 Cover all electrical meters before painting walls. Meter boxes will be sealed and painted.

14.7 Materials shall be applied under adequate illumination, evenly spread and

flowed on smoothly to avoid runs, sags, holidays, brush marks, air bubbles, and excessive roller stipple.

14.8 All coats shall be dry to manufacturer's instructions before applying succeeding coats.

14.9 *Coverage and hide* shall be complete. When color, stain, dirt, or undercoats show through final coat of paint, the surface shall be covered by additional coats until paint film is of uniform finish, color, appearance, and coverage at no increase in the contract amount (regardless of amount of coats specified).

14.10 All suction spots or "hot spots" in plaster or cement after application of first coat shall be touched up before applying second coat.

14.11 When spray painting is specified, the contractor shall finish 100 square feet by spraying a sample of finish upon request of **Lori Halula-Eyer**, LHA Senior Manager of Procurement. This shall be finished with materials specified and shall be called a *Pilot Wall*. Stucco surfaces and bands must be back-rolled if sprayed.

14.12 Exterior doors shall have tops, bottoms, and side edges finished same as exterior faces of doors.

14.13 Building inspections will be made by the **Lori Halula-Eyer**, LHA Senior Manager of Procurement and/or her representative. The paint distributer will provide site visits for the purpose of extending the material warranty.

14.14 All repairs, replacements, and applications are to meet or exceed all manufacturers' and attached specifications and all applicable codes.

15.0 WORKMANSHIP AND APPLICATION CONDITIONS

15.1 Keep surfaces dust-, dirt- and debris-free before and during painting.

15.2 Execute work in accordance with label directions. Coating application shall be made in conformance to this specification and to the manufacturer's paint instruction on the labels and product data sheets.

15.3 All work shall be accomplished by skilled workers familiar with and trained to do this type of work and they shall be further qualified to operate or use the equipment or rigging needed to accomplish this work.

15.4 All shrubbery, outside carpeting, sprinkler systems and vehicles shall be fully protected against damage during each stage of the painting project.

15.5 Paint all previously painted surfaces including, but not limited to, sides of steps, and stucco perimeter walls.

15.6 All exterior substrates designated not to receive paint coatings shall be kept free of paint residue, i.e., windows, outdoor carpeting, walkways, etc.

15.7 LHA shall provide water and electricity from existing facilities.

15.8 Normal safety and "wet paint" signs, necessary lighting, and temporary roping-off around work areas shall be installed and maintained in accordance with OSHA requirements while the work is in progress.

15.9 Prior to beginning the project, a progress schedule shall be furnished to **Lori Halula-Eyer**, LHA Senior Manager of Procurement, by the contractor for approval and shall be based on the contract completion date. The contractor shall advise **Lori Halula-Eyer**, LHA Senior Manager of Procurement, of those areas in which work is to be performed sufficiently in advance of the work schedule to permit LHA to prepare for the work and move vehicles, etc.

15.10 Do not paint over any code required labels or any equipment identification, performance rating, name or nomenclature plates.

16.0 WEATHER

16.1 Surfaces must be clean and moisture free--prime and paint as soon as possible. No painting shall be done immediately after a rain or foggy weather or when the temperature is below 50 degrees F. Substrate temperature must be 5 degrees F. or more above dew point temperature while painting and during the time that the coatings cure. Avoid painting surfaces while they are exposed to a full hot sun.

16.2 Stop exterior painting early enough to permit paint film to set up before condensation occurs (as caused by night temperature drops).

17.0 COLOR

EXTERIOR SURFACE	PAINT COLOR *(LHA reserves the right to modify the colors after the award of the Bid.)*
Stucco	**Other**: WL700GLTB- Masonry Patch and Seal Brush-Grade, Textured

	Location: Elastomeric Patch for settling crack repair **Spot Prime:** LX02W0050- Loxon Masonry Primer Location: Primer for bare masonry areas **Primer:** LX03V0100- Loxon Masonry Conditioner Location: Masonry Conditioner to Seal Chalk on Stucco **Finish:** K43W00051- Resilience Exterior Acrylic Latex Satin Location: Finish Paint for Stucco Walls
Steel/Ferrous Metal	**Spot Prime:** B66W01310- Pro Industrial ProCryl Primer Location: Primer for Metal Entry Doors **Topcoat:** B53W02151- Pro Industrial Water based Alkyd Urethane Enamel Location: Finish for Steel Entry Doors **Spot Prime:** B50NZ0006- Kem Kromik Universal Metal Primer Location: Spot Primer for Rusty Metal Area Repairs Under Stucco Finish
Concrete Masonry	**Foam Repair Patch:** WL3333300- White Lighting Stop Gap! Triple Expanding Insulating Foam Location: Filler for Pipe Building Penetration Voids **Sidewalk & Wall Joint:** LX51H4110- Loxon H1 Sealant Limestone Location: Sealant for Sidewalk & Wall Joint *Notes: Remove Old Sealant Before Installing New Sealant, Backer Rod Might Be Needed. Available in Several Colors. Refer to Data Page or Brochure for Options.*
Previously Coated Surfaces	**Primer:** B66W01310-Pro Industrial ProCryl Primer Location: Primer for Roll Up Door **Finish:** B66W01151- Pro Industrial DTM Acrylic Semi-Gloss Location: Finish for Roll Up Door

Aluminum	**Window Sealant:** LX51H3610- Loxon H1 Sealant Location: Bronze Sealant for Windows *Notes: Old Sealant needs to be removed before installation of new sealant. Backer Rod may be needed.*
Color Scheme	**Body:** SW 6213- Halcyon Green Location: **Accent Body:** SW 6401- Independent Gold Location: **Trim:** SW 7061- Night Owl Location:

18.0 EXTERIOR PAINTING SYSTEM:

Surface preparation, application methods, spreading rates, wet and dry film thickness will be determined by the attached specifications and material data sheets except as noted below.

Stucco and Masonry Surfaces (New and Previously Painted)

- Preparation--Clean as specified in item **II. SCOPE OF REQUIRED SERVICES** removing as much chalk as possible and all mold, mildew, and dirt. Use a cleaning solution with the pressure washer chemical injector prior to pressure washing the substrate. Scrape all loose paint once the surface is dry.

- Spot prime any bare areas with Sherwin-Williams Loxon Primer, LX02W0050.

- Spot Prime previously painted surfaces with Sherwin-Williams Loxon Conditioner LX03V0100.

- Use a Sherwin Williams Elastomeric Patch* to repair all areas after sealing. Give special attention to applying enough patch to completely bridge any cracks. See the data sheet for instructions. Patch the gaps/voids where the substrate meets the joints.

- The finish coat should be **sprayed and back-rolled to achieve a consistent even finish. All signs to be removed prior to painting and reinstalled after paint has cured.**

Concrete Walkways (Previously Painted/Not Painted)

- Preparation--Clean with a heavy duty biodegradable cleaner degreaser in order to

remove all the hand-oils and other contaminants. Rinse very well with water. Allow to dry completely and scrape any loose paint.

- 2 Coats- 35.100215- H&C Heavy Shield Floor Enamel/Concrete Stain. Front Entry Sidewalks and all building entrances. H&C SHARKGRIP Slip Resistant Additive 50.155004 3.2oz. ADD MUST BE ADDED TO THE PRODUCT.*NOTE: SIDEWALKS MUST BE PROPERLY PREPPED PRIOR TO APPLICATION OF PRODUCT.*

Entry Doors, Miscellaneous Previously Painted Metal

Preparation--Saturate with Simple Green Heavy-Duty Degreaser*. Allow the degreaser to stay on the substrate long enough to break down the surface contaminants prior to rinsing (5-10 minutes). Once the surface is completely dry, scuff sand to a dull finish. Wipe the surface down with a damp rag after sanding to remove all residues from sanding. Use caution when pressure washing around doors as not to get water inside the structure.

- Spot prime all bare or marginal areas with B66W01310- Pro Industrial ProCryl Primer.

- Finish-B53W01151- Pro Industrial Water based Alkyd Urethane Enamel.

Ferrous Metal Handrails (New or Previously Painted)

- Preparation--Clean with Simple Green Heavy-Duty Degreaser*. Allow the degreaser to stay on the substrate long enough to break down the surface contaminants prior to pressure-washing. Hand tool clean all visible rust before priming.

- Spot Prime--Apply B66W01310- Pro Industrial ProCryl Primer.

- 2 Coats--Apply two coats of B53W01151- Pro Industrial Water Based Alkyd Urethane Enamel.

*(If the Bidder desires to use a "better or equal to" material, the Bidder must provide a comparison of specifications—acceptable to LHA--between product being offered and the named product with the submittal of its bid.)

III. OTHER CONDITIONS

The following and other conditions will apply to the successful bidder who is awarded a contract resulting from this Invitation to Bid.

A. **Insurance**—To the satisfaction of LHA, the successful bidder will be required to provide LHA with a current certificate(s) of:

   - *General Liability* insurance and *Automotive Liability* insurance with LHA

named as an *additional insured* on each liability insurance. Each liability insurance must contain a minimum of $1,000,000 coverage per occurrence.

- *Workers Compensation* coverage for all of the successful bidder's staff employed on the site of this project. The Workers' Compensation coverage must be, at least, the State of Florida required minimum.

The successful bidder shall maintain these insurances in force during the term of the contract.

B. **Permits, Fee and Licenses--**The successful bidder shall secure, maintain, and pay all permits, fees, and licenses necessary for the proper execution and completion of work.

C. **Section 3--** The successful bidder will comply with the requirements of the HUD Act of 1968, Section 3, attached to this Invitation for Bids as well as *LHA's Section 3 and Minority and Woman Business Enterprise* Policy, which is attached to this Invitation for Bid.

D. **Resident Participation--**LHA encourages the hiring of residents by the successful bidder for any employment opportunities available as a result of its contracts. The successful bidder(s) will make every effort to hire residents and to post job opportunities on the LHA Administrative Office bulletin board. The successful bidder will report the hiring of any residents to assist LHA in monitoring.

Resident participation in the performance of work under its contract, progress toward achieving established goals, and in the development of further resident participation programs.

E. **Non-Discrimination**--The successful bidder must ensure that employees and applicants for employment are not discriminated against because of their race, color, religion, disability, sex, or national origin. LHA encourages participation by Lakeland area business owned and operated by minorities and women and those that meet the definition of a "Section 3 business."

F. **Security and Safety--**The successful bidder shall protect and secure all materials, vehicles, and equipment, and shall assume full responsibility for loss, theft, vandalism, and any other damage for the duration of the contract. LHA will not assume responsibility for vandalism, theft, fire, and/or personal injury claims arising from or relating to the work to be performed. The successful bidder must exercise extreme caution and safety at all times to protect the work area and to eliminate accidents occurring at the work site.

Since the buildings to be painted will be occupied by staff and visiting guests, the successful bidder must be respectful of this fact and conduct its activities in the manner that will cause the least disruption to staff or visiting guests. This respect includes, but is not limited to, refraining from playing loud music or other

unnecessary loud noises.

G. **Review and Inspection--**LHA may at its sole discretion and from time-to-time review and inspect the services provided including but not be limited to site observations, review of time records, daily and other logs and records of activities, and supervisors' reports.

H. **Payment--**Payment shall be made within thirty (30) calendar days after submission of an invoice acceptable to LHA for the satisfactory performance of the contracted work.

I. **Term--**LHA anticipates that the services to be provided under the contract will begin within thirty (30) calendar days after the bid submittal deadline but not prior to the issuance of a Notice to Proceed. **The work must be completed on or before July 1, 2021. If** not completed by this date, liquidated damages to *LHA* in the amount of **$75.00** for each calendar day of delay may be assessed until the work is completed by the successful bidder and accepted by *LHA*.

Work on this project will be permitted between 7:00 a.m. and 7:00 p.m., Monday through Sunday.

J. **Required Forms**—The bidder will only submit its bid on the Bid Form provided with this Invitation to Bid. Bids submitted in another format may be rejected as non-responsive.

At a minimum, each contract awarded under this Invitation to Bid will comply with the following HUD Forms, if applicable: 5369-A and 5370-C.

K. **Federal Labor Standards Provisions**—Due to the nature of the funding to be used by LHA for this project, the certain Federal requirements apply such as the **Federal Labor Standards Provisions** which include the **Davis-Bacon Act**, the **Copeland Act**, and **Contract Works Hours and Safety Standards Act.** For your convenience, a copy of the current Davis Bacon **wage determination** sheet for residential related work in Polk County--General Decision Number: FL20210223 04/09/2021 FL is attached to this Bid Package.

BID FORM

REPAINTING OF ALL PREVIOUSLY PAINTED EXTERIOR AREAS OF THE HOUSING AUTHORITY OF THE CITY OF LAKELAND

*From: (Name of Business)*_____, a(n) *(circle one of the following)* corporation/partnership/individual hereinafter referred to as the "Bidder."

To: **The Housing Authority of the City of Lakeland** (hereinafter referred to as the "Owner")

The Bidder, in compliance with your Invitation to Bid for **Repainting of All Previously Painted Exterior Areas of The Housing Authority of the City of Lakeland**, having examined the Scope of Required Services and being familiar with all of the conditions surrounding the proposed project, including availability of manpower, proposes to furnish the necessary labor, supervision, equipment, materials, fuel, and supplies to perform the work in accordance with the Scope of Required Services and the other conditions contained in the Invitation to Bid, within the time set forth therein, and at the prices stated below.

The Bidder acknowledges receipt of the following addendums: _____
_____.

OFFERED BID:

A.

Painting Services for*:	Bid to Provide Painting Services as Requested in the Bid Package*:
Building consisting of 1 story	$
	$

B. The Bidder offers to provide Painting Services as requested in this Bid Package for the building indicated above for the total lump sum of

$_____.

In submitting this bid, the bidder acknowledges that LHA reserves the right to award *no, one, or more than one* contract(s) in the **best interest of LHA at LHA's sole discretion**.

Upon receipt of written notice of the acceptance of its bid, the Bidder will execute a contract with LHA within 14 calendar days after the bid award.

With check marks, the Bidder is indicating below the following required items/information/forms are being submitted as part of the Bidder's response:

- This required BID FORM: _____
- Copy of bidder's current occupational license: _____
- A list--including contact information--of, at least, five past *commercial* customers who received similar services from the Bidder prior to October 2015: _____
- A list--including contact information--of, at least, five past *commercial* customers who received similar services from the Bidder since October 2015: _____
- Specifications of the *better than* or *equal to* products being offered in accordance with Item II,1.5 of this Invitation for Bid:____Applicable or_____Non-applicable

Failure to provide *any* of the above information may render the submitted bid as *non-responsive* and may cause the bid to be rejected.

By my signature below, I also certified that I checked the LHA web site--as directed in the Bid Package for this solicitation--up to 5:00 p.m. on May 28, 2021 for any modifications or additional information relevant to this Bid Package.

Submitted By: _____

Title:_____

Signature: _____

Business Name: _____

Business Address: _____

Business Phone Number: _____

Email address: _____

PAINT SCHEDULE/SPECIFICATIONS

Paint Schedule/Specification

Housing Authority Office Exterior Repaint

HOUSING AUTHORITY OF LAKELAND

Presented By:
Martin Joyce
Sales Representative

(863) 559-8454
martin.j.joyce@sherwin.com

SHERWIN-WILLIAMS
617 S FLORIDA AVE
LAKELAND, FL 33801 5230
(863) 686-4137

May 06, 2021

SHERWIN-WILLIAMS.
PHOTO IMAGING

Lakeland Housing Authority | Scheme One

SW 6213
Halcyon Green
Body

SW 6401
Independent Gold
Accent Body

SW 7061
Night owl
Trim

Paint Schedule/Specification

Project: Housing Authority Office Exterior Repaint
430 Hartsell Ave, Lakeland, FL, 33802

Customer: HOUSING AUTHORITY OF LAKELAND
430 HARTSELL AVE, LAKELAND, FL, 338021009

Dear Valerie Brown:

Thank you for considering Sherwin-Williams products for the Housing Authority Office Exterior Repaint project. Included in this package is the Sherwin-Williams submittal for the above referenced project.

Should you require assistance or have any questions or concerns, please contact me at (863) 559-8454 or e-mail me at martin.j.joyce@sherwin.com.

Martin Joyce
Sales Representative

(863) 559-8454
martin.j.joyce@sherwin.com

SHERWIN-WILLIAMS
617 S FLORIDA AVE, LAKELAND, FL 33801 5230

Exterior Finishes

Stucco

Masonry Patch Repair: WL700GLTB - Masonry Patch And Seal Brush-Grade, Textured
- Location: Settling Cracks in Exterior Masonry Walls
Notes: Elastomeric Masonry Patch to repair settling cracks.

Spot Prime: LX02W0050 - Loxon Masonry Primer
- Location: Primer for bare masonry areas

Primer: LX03V0100 - Loxon Masonry Conditioner
- Location: Masonry Conditioner to Seal Chalk on Stucco

Finish: K43W00051 - Resilience® Exterior Acrylic Latex Satin
- Location: Finish Paint for Stucco Walls

Steel/Ferrous Metal

Primer: B66W01310 - Pro Industrial ProCryl Primer
- Location: Primer for Metal Entry Door

Topcoat: B53W02151 - Pro Industrial Waterbased Alkyd Urethane Enamel
- Location: Finish for Steel Entry Doors

Spot Prime: B50NZ0006 - Kem Kromik® Universal Metal Primer
- Location: Spot Primer for rusty metal area repairs under stucco finish

Concrete Masonry

Foam Repair Patch: WL3333300 - White Lightning® Stop Gap! Triple Expanding Insulating Foam
- Location: Filler for Pipe Building Penetration Voids

Sidewalk & Wall Joint: LX51H4110 - Loxon H1 Sealant Limestone
- Location: Sealant for Sidewalk & Wall Joint.
Notes: Remove old sealant before installing new sealant, backer rod might be needed. Available in several colors. Refer to Data Page or Brochure for Options

Previously Coated Surfaces

Primer: B66W01310 - Pro Industrial ProCryl Primer
- Location: Primer for Roll Up Door

Finish: B66W01151 - Pro Industrial DTM Acrylic Semi-Gloss
- Location: Finish for Roll Up Door

Aluminum

Window Sealant: LX51H3610 - Loxon H1 Sealant
- Location: Bronze Sealant for Windows
Notes: Old sealant needs to be removed before installation of new sealant. Backer rod may be needed.

Touch-Up, Maintenance and Repair

Handrail Post Cavity Re: 100167303 - Miracle Bond Repair Epoxy
- Location: Handrail posts
Notes: Miracle Bond Repair Epoxy to repair handrail post cavity.

Galvanized Metal

Primer: B66W01310 - Pro Industrial ProCryl Primer
- Location: Metal trim at roof line

Finish: B66W01251 - Pro Industrial DTM Acrylic Eg-Shel
- Location: Metal trim at roof line

Basic Surface Preparation

Coating performance is directly affected by surface preparation. Coating integrity and service life will be reduced because of improperly prepared surfaces. As high as 80% of all coating failures can be directly attributed to inadequate surface preparation that affects coating adhesion. Proper product selection, surface preparation, and application affect coating performance. Coating integrity and service life will be reduced because of improperly prepared surfaces. Selection and implementation of proper surface preparation ensures coating adhesion to the substrate and prolongs the service life of the coating system.

The majority of paintable surfaces are concrete, ferrous metal, galvanizing, wood and aluminum. They all require protection to keep them from deteriorating in aggressive environments. Selection of the proper method for surface preparation depends on the substrate, the environment, the coating selected, and the expected service life of the coating system. Economics, surface contamination, and the effect on the substrate will also influence the selection of surface preparation methods. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Verify the existence of lead based paints on the project. Buildings constructed after 1978 are less likely to contain lead based paints. If lead based paints are suspected on the project, all removal must be done in accordance with the EPA Renovation, Repair and Painting and all applicable state and local regulations. State and local regulations may be more strict than those set under the federal regulations. Verify that Owner has completed a Hazardous Material Assessment Report for the project prior to issuing of Drawings. Concluding that no lead based paints were found on project site, delete paragraph regarding lead based paints.

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority. Removal must be done in accordance with EPA Renovation, Repair and Painting Rule and all related state and local regulations. Care should be taken to follow all state and local regulations which may be more strict than those set under the federal RRP Rule.

No exterior painting should be done immediately after a rain, during foggy weather, when rain is predicted, or when the temperature is below 50°F, unless the products to be used are designed to be used in those environments.

Aluminum – S-W 1: Remove all oil, grease, dirt, oxide and other foreign material by cleaning per SSPC-SP1, Solvent Cleaning.

Block (Cinder and Concrete) – S-W 3: Remove all loose mortar and foreign material. Surface must be free of laitance, concrete dust, dirt, form release agents, moisture curing membranes, loose cement, and hardeners. Concrete and mortar must be cured at least 28 days at 75°F. The pH of the surface should be between 6 and 9. On tilt-up and poured-in-place concrete, commercial detergents and abrasive blasting may be necessary to prepare the surface. Fill bug holes, air pockets, and other voids with a cement patching compound (per ASTMD4261).

Brick – S-W 4: Must be free of dirt, loose and excess mortar, and foreign material. All brick should be allowed to weather for at least one year followed by wire brushing to remove efflorescence. Treat the bare brick with one coat of Loxon Conditioner.

Concrete and Masonry – Concrete, Poured – Exterior or Interior– S-W 5: The preparation of new concrete surfaces is as important as the surface preparation of steel. The following precautions will help assure maximum performance of the coating system and satisfactory coating adhesion:

1. Cure – Concrete must be cured prior to coating. Cured is generally defined as concrete poured and aged at a material temperature of at least 75°F for at least 28 days unless specified products are designed for earlier application.

2. Moisture – Reference ASTM F1869-98 Moisture Test by use of Calcium Chloride or ASTM D4263 Plastic Sheet Method Concrete must be free from moisture as much as possible (it seldom falls below 15%). Vapor pressures, temperature, humidity, differentials, and hydrostatic pressures can cause coatings to prematurely fail. The source of moisture, if present, must be located, and the cause corrected prior to coating.

3. Temperature – Air, surface and material temperatures must be in keeping with requirements for the selected product during and after coating application, until coating is cured.

4. Contamination – Remove all grease, dirt, paint, oil, laitance, efflorescence, loose mortar, and cement by the recommendations listed in the surface preparation section.

5. Surface Condition – Hollow areas, bug holes, voids, honeycombs, fin form marks, and all protrusions or rough edges are to be ground or stoned to provide a continuous surface of suitable texture for proper adhesion of the coating. Imperfections may require filling, as specified, with a recommended Sherwin-Williams product.

6. Concrete Treatment – Hardeners, sealers, form release agents, curing compounds, and other concrete treatments should be removed to ensure adequate coating adhesion and performance.

Methods of Surface Preparation on Concrete per SSPC-SP13/NACE 6 or ICRI 03732 Surface Cleaning Methods:
Vacuum cleaning, air blast cleaning, and water cleaning per ASTM D4258.
Used to remove dirt, loose material, and/or dust from concrete.
Detergent water cleaning and steam cleaning per ASTM D4258.
Used to remove oils and grease from concrete. Prior to abrasive cleaning, and after abrasive cleaning, surfaces should be cleaned by one of the methods described above.

Mechanical Surface Preparation Methods:
Dry abrasive blasting, wet abrasive blasting, vacuum assisted abrasive blasting, and centrifugal shot abrasive blasting per ASTM D4259. Used to remove contaminants, laitance, and weak concrete, to expose subsurface voids, and to produce a sound concrete surface with adequate profile and surface porosity.
High-pressure water cleaning or water jetting per SSPC-SP12-NACE5.
Used to remove contaminants, laitance, and weak concrete, to expose subsurface voids, and to produce a sound concrete surface with adequate profile and surface porosity.
Impact tool methods per ASTM D4259.
Used to remove existing coatings, laitance, and weak concrete. Methods include scarifying, planing, scabbling, and rotary peening. Impact tools may fracture concrete surfaces or cause microcracking requiring surface repair.
Power tool methods per ASTM D4259.
Used to remove existing coatings, laitance, weak concrete, and protrusions in concrete. Methods include circular grinding, sanding, and wire brushing. These methods may not produce the required surface profile to ensure adequate adhesion of subsequent coatings.

Chemical Surface Preparation Methods:
Acid etching per ASTM D4260. Use to remove some surface contaminants, laitance, and weak concrete, and to provide a surface profile on horizontal concrete surfaces. This method requires complete removal of all reaction products and pH testing to ensure neutralization of the acid. Not recommended for vertical surfaces. Etching with hydrochloric acid shall not be used where corrosion of metal in the concrete is likely to occur. Adequate ventilation and safety equipment required.
1. Clean surface per ASTM D4268
2. Wet surface with clean water
3. Etch with 10-15% muriatic acid solution at the rate of 1 gallon per 75 square feet
4. Scrub with stiff brush
5. Allow sufficient time for scrubbing and until bubbling stops
6. If no bubbling occurs, surface is contaminated. Refer to ASTM D4258 or ASTM D4259
7. Rinse surface two or three times. Remove acid/water each time.
8. Surface should a texture similar to medium grit sandpaper.
9. Neutralize surface with a 3% solution of tri-sodium phosphate and flush with clean water.
10. Allow to dry and check for excess moisture.

Cement Composition Siding/Panels – S-W 6: Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Pressure clean, if needed, with a minimum of 2100 psi pressure to remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, and peeling or defective coatings. Allow the surface to dry thoroughly. If the surface is new, test it for pH, many times the pH may be 10 or higher.

Composition Board (Hardboard) – S-W 9: Some composition boards may exude a waxy material that must be removed with a solvent prior to coating. Whether factory primed or unprimed, exterior composition board siding (hardboard) must be cleaned thoroughly and primed with an alkyd primer.

Copper – **S-W 7:** Remove all oil, grease, dirt, oxide and other foreign material by cleaning per SSPC-SP2, Hand Tool Cleaning.

Drywall—Interior and Exterior – **S-W 8:** Must be clean and dry. All nail heads must be set and spackled. Joints must be taped and covered with a joint compound. Spackled nail heads and tape joints must be sanded smooth and all dust removed prior to painting. Exterior surfaces must be spackled with exterior grade compounds.

Galvanized Metal – **S-W 10:** Allow to weather a minimum of 6 months prior to coating. Clean per SSPC-SP1 using detergent and water or a degreasing cleaner, then prime as required. When weathering is not possible or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test area, priming as required. Allow the coating to dry at least one week before testing. If adhesion is poor, Brush Blast per SSPC-SP16 is necessary to remove these treatments.

Plaster – **S-W 11:** Must be allowed to dry thoroughly for at least 30 days before painting. Room must be ventilated while drying; in cold, damp weather, rooms must be heated. Damaged areas must be repaired with an appropriate patching material. Bare plaster must be cured and hard. Textured, soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with clear water and allow to dry.

Steel/Ferrous Metal Substrates

SSPC-SP1- Solvent Cleaning: Solvent cleaning is a method for removing all visible oil, grease, soil, drawing and cutting compounds, and other soluble contaminants. Solvent cleaning does not remove rust or mill scale. Change rags and cleaning solution frequently so that deposits of oil and grease are not spread over additional areas in the cleaning process. Be sure to allow adequate ventilation. Follow manufacturer's safety recommendations when using solvents. For complete instructions, refer to Steel Structures Paint Council Surface Preparation Specification No.1. (Refer to each products cleaning instructions. Many acrylic coatings will state; When cleaning the surface per SSPC-SP1, use only an emulsifying industrial detergent, followed by a water rinse. **Do not use hydrocarbon solvents for cleaning.)**

SSPC-SP2 - Hand Tool Cleaning: Hand Tool Cleaning removes all loose mill scale, loose rust, and other detrimental foreign matter. It is not intended that adherent mill scale, rust, and paint be removed by this process. Mil scale, rust, and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before hand tool cleaning, remove visible oil, grease, soluble welding residues, and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Steel Structures Paint Council Surface Preparation Specification No.2.

SSPC-SP3 - Power Tool Cleaning: Power Tool Cleaning removes all loose mill scale, loose rust, and other detrimental foreign matter. It is not intended that adherent mill scale, rust, and paint be removed by this process. Mil scale, rust, and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before power tool cleaning, remove visible oil, grease, soluble welding residues, and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Steel Structures Paint Council Surface Preparation Specification No.3.

SSPC-SP5 / NACE 1 - White Metal Blast Cleaning: A White Metal Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products, and other foreign matter. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP 1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP5/ NACE No.1.

SSPC-SP6 / NACE 3 - Commercial Blast Cleaning: A Commercial Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products, and other foreign matter, except for staining. Staining shall be limited to no more than 33 percent of each square inch of surface area and may consist of light shadows, slight streaks, or minor discoloration caused by stains of rust, stains of mill scale, or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP 1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP6/NACE No.3.

SSPC-SP7 / NACE 4 - Brush-Off Blast Cleaning: A Brush-Off Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, loose mill scale, loose rust, and loose paint. Tightly adherent mill scale, rust, and paint may remain on the surface. Mil scale, rust, and coating are considered adherent if they cannot be removed by lifting with a dull putty knife. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP 1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP7/NACE No.4.

SSPC-SP10 / NACE 2 - Near-White Blast Cleaning: A Near White Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products, and other foreign matter, except for staining. Staining shall be limited to no more than 5 percent of each square inch of surface area and may consist of light shadows, slight streaks, or minor discoloration caused by stains of rust, stains of mill scale, or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP 1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPCSP10/ NACE No.2.

SSPC-SP11 - Power Tool Cleaning to Bare Metal: Metallic surfaces that are prepared according to this specification, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxide corrosion products, and other foreign matter. Slight residues of rust and paint may be left in the lower portions of pits if the original surface is pitted. Prior to power tool surface preparation, remove visible deposits of oil or grease by any of the methods specified in SSPC -SP 1, Solvent Cleaning, or other agreed upon methods. For complete instructions, refer to Steel Structures Paint Council Surface Preparation Specification No.11.

SSPC-SP12 / NACE 5 - Surface Preparation and Cleaning of Metals by Waterjetting Prior to Recoating: High- and Ultra -High Pressure Water Jetting for Steel and Other Hard Materials This standard provides requirements for the use of high- and ultra-high pressure water jetting to achieve various degrees of surface cleanliness. This standard is limited in scope to the use of water only, without the addition of solid particles in the stream. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP12/NACE No.5.

SSPC-SP13 / NACE 6 or ICRI 03732 - Surface Preparation of Concrete: This standard gives requirements for surface preparation of concrete by mechanical, chemical, or thermal methods prior to the application of bonded protective coating or lining systems. The requirements of this standard are applicable to all types of cementitious surfaces including cast-in-place concrete floors and walls, precast slabs, masonry walls and shotcrete surfaces. An acceptable prepared concrete surface should be free of contaminants, laitance, loosely adhering concrete, and dust, and should provide a dry, sound, uniform substrate suitable for the application of protective coating or lining systems. Depending upon the desired finish and system, a block filler may be required. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP13/NACE No.6 or ICRI 03732

SSPC-SP14 / NACE 8 – Industrial Blast Cleaning: This standard gives requirements for industrial blast cleaning of unpainted or painted steel surfaces by the use of abrasives. This joint standard allows defined quantities of mill scale and/or old coating to remain on the surface. An industrial blast cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dust, and dirt. Traces of tightly adherent mill scale, rust, and coating residue are permitted to remain on 10% of each unit area of the surface. The traces of mill scale, rust, and coating shall be considered tightly adherent if they cannot be lifted with a dull putty knife. Shadows, streaks, and discolorations caused by stains of rust, stains of mill scale, and stains of previously applied coating may be present on the remainder of the surface.

SSPC-SP16 Brush-Off Blast Cleaning of Coated and Uncoated Galvanized Steel, Stainless Steels, and Non-Ferrous Metals: This standard covers the requirements for brush-off blast cleaning of uncoated or coated metal surfaces other than carbon steel by the use of abrasives. These requirements include visual verification of the end condition of the surface and materials and procedures necessary to achieve and verify the end condition. A brush-off blast cleaned non-ferrous metal surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, metal oxides (corrosion products), and other foreign matter. Intact, tightly adherent coating is permitted to remain. A coating is considered tightly adherent if it cannot be removed by lifting with a dull putty knife.

High- and Ultra-High Pressure Water Jetting for Steel and Other Hard Materials:
SSPC-SP WJ-1/NACE WJ-1: Clean to Bare Substrate (WJ-1) is intended to be similar to the degree of surface cleanliness of SSPC-SP 5/NACE 1, except that stains are permitted to remain on the surface. This standard is used when the objec-tive is to remove every trace of rust and other corrosion products, coating and mill scale.
SSPC-SP WJ-2/NACE WJ-2: Very Thorough Cleaning (WJ-2) is intended to be similar to the degree of surface cleanliness of SSPC-SP 10/NACE 2, except that tightly adherent material, rather than only stains, is permitted to remain on the surface. This standard is used when the objec-tive is to remove almost all rust and other corrosion products, coating, and mill scale.
SSPC-SP WJ-3/NACE WJ-3: Thorough Cleaning (WJ-3) is intended to be similar to the degree of surface cleanliness of SSPC-SP 10/NACE 2, except that tightly adherent material, rather than only stains, is permitted to remain on the surface. This standard is used when the objective is to remove much of the rust and other corrosion products, coating, and mil scale, leaving tightly adherent thin films.
SSPC-SP WJ-4/NACE WJ-4: Light Cleaning (WJ-4) is intended to be similar to the degree of surface cleanli-ness of SSPC-SP 10/NACE 2, except that tightly adherent material, rather than only stains, is permitted to remain on the surface. This standard is used when the objective is to allow as much of the tightly adherent rust and other corro-sion products, coating, and mill scale to remain as possible, Discoloration of the surface may be present.

Water Blasting NACE Standard RP-01-72: Removal of oil grease dirt, loose rust, loose mill scale, and loose paint by water at pressures of 2,000 to 2,500 psi at a flow of 4 to 14 gallons per minute.

Stucco S-W 22 : Must be clean and free of any loose stucco. If recommended procedures for applying stucco are followed, and normal drying conditions prevail, the surface may be painted in 30 days. The pH of the surface should be between 6 and 9.

Wood—Exterior – S-W 23: Must be clean and dry. Prime and paint as soon as possible. Knots and pitch streaks must be scraped, sanded, and spot primed before a full priming coat is applied. Patch all nail holes and imperfections with a wood filler or putty and sand smooth. Caulk should be applied after priming.

Wood—Interior – S-W 24: All finishing lumber and flooring must be stored in dry, warm rooms to prevent absorption of moisture, shrinkage, and roughening of the wood. All surfaces must be sanded smooth, with the grain, never across it. Surface blemishes must be corrected and the area cleaned of dust before coating.

Vinyl Siding, Architectural Plastics, PVC & Fiberglass: – S-W 24: Clean the surface thoroughly by scrubbing with warm, soapy water. Rinse thoroughly, prime with appropriate white primer. Do not paint vinyl with any color darker than the original color. Do not paint vinyl with a color having a Light Reflective Value (LRV) of less than 56 unless VinylSafe® Colors are used. If VinylSafe® Colors are not used and darker colors lower than an LRV of 56 are, the vinyl may warp. Follow all painting guidelines of the vinyl manufacturer when painting. Only paint properly installed vinyl siding. Deviating from the manufacturer's painting guidelines may cause the warranty to be voided.

Previously Coated Surfaces – S-W 12: Maintenance painting will frequently not permit or require complete removal of all old coatings prior to repainting. However, all surface contamination such as oil, grease, loose paint, mill scale dirt, foreign matter, rust, mold, mildew, mortar, efflorescence, and sealers must be removed to assure sound bonding to the tightly adhering old paint. Glossy surfaces of old paint films must be clean and dull before repainting. Thorough washing with an abrasive cleanser will clean and dull in one operation, or, wash thoroughly and dull by sanding. Spot prime any bare areas with an appropriate primer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system. Check for compatibility by applying a test patch of the recommended coating system, covering at least 2 to 3 square feet. Allow to dry one week before testing adhesion per ASTM D3359. If the coating system is incompatible, complete removal is required per ASTM D4259.

Touch-Up, Maintenance and Repair

For a protective coating system to provide maximum long-term protection, regularly scheduled maintenance is required. Maintenance includes inspection of painted areas, cleaning of surfaces to remove oils, chemicals, and other contaminants, and touch-up of areas where the coatings have been damaged. Highly corrosive areas, such as those subjected to frequent chemical spillage, corrosive fumes, and/or high abrasion or temperature areas should be inspected frequently – every six months, for example. Areas exposed to less severe conditions, such as interiors and exteriors of potable water tanks, may be inspected annually to assess the condition of the coating system.

The SSPC-VIS 2, Standard Method for Evaluating Degree of Rusting on Painted Steel Surfaces, can be used as a guide to determine appropriate touch-up and repairs maintenance schedules. Touch-up would be suggested when the surface resembles Rust Grade 5-S (Spot Rusting), 6-G (General Rusting), or 6-P (Pinpoint Rusting). Surface preparation would generally consist of SSPC-SP2, SP3, SP11, or SP12. Overcoating a well protected, but aged steel surface showing no evidence of rusting, may be achieved by Low Pressure Water Cleaning per SSPC-SP12/WJ4, and applying an appropriate coating system.

Full removal of the existing coating system by abrasive blasting would be recommended when the surface resembles Rust Grade 3-S (Spot Rusting), 4-G (General Rusting), or 4-P (Pinpoint Rusting). When the coating system has deteriorated to encompass approximately 33% of the surface area, it is always more economical to consider full removal and reapplication of the appropriate protective coating system.

Mildew –Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

Site Audit

The opinions and recommendations set forth herein are based on observations made by your Sherwin-Williams Representative and are limited to the conditions and circumstances at the time of the site visit. Such observations are subject to change based upon factors beyond the control of Sherwin-Williams and pertain to the product or products offered at the time of the report. Further testing and evaluation of the property may be necessary.

Exterior Entry Doors

Substrate: Steel/Ferrous Metal

General Condition: Good

Existing Conditions: Chalk

Comments: Thoroughly clean door. Prime with Pro Industrial ProCryl Primer & topcoat with Pro Industrial Waterbased Alkyd Urethane Enamel.

Exterior Handrails

Substrate: Steel/Ferrous Metal

General Condition: Fair

Existing Conditions: Large Cracks, Rust Stains, Visible Corrosion

Comments: Remove loose concrete from cavity around handrail post & remove peeling paint & rust from steel post. Check for structural integrity. Fill cavity with Miracle Bond Repair Epoxy.

Exterior Masonry Walls

Generator Wall

Substrate: Stucco

General Condition: Good

Existing Conditions: Hairline Cracks, Mildew, Dirty Surface

Comments: Thoroughly pressure wash area to be painted & neutralize mildew with an appropriate mildew cleaner. Remove loose debris from settling cracks & use Sherwin-Williams Elastomeric Masonry Patch.

Southeast Perimeter Wall

Substrate: Stucco

General Condition: Fair

Existing Conditions: Hairline Cracks, Rust Stains, Visible Corrosion

Comments: Remove coating back to rusty metal & abrade metal to remove corrosion. Prime metal with Kem Kromik Primer. Repair area with appropriate masonry material.

Exterior Roll Up Door

Substrate: Previously Coated Surfaces

General Condition: Good

Existing Conditions: Dirty Surface

Comments: Thoroughly clean entire area. Prime with Pro Industrial ProCryl Primer & finish with Pro Industrial DTM

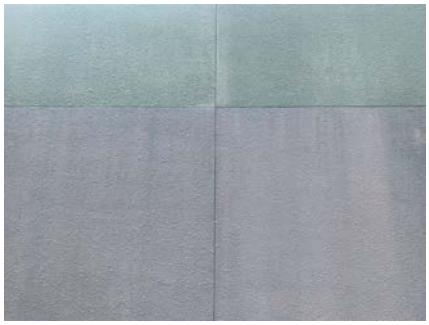
Exterior Stucco Walls

Substrate: Stucco

General Condition: Good

Existing Conditions: Chalk, Dirty Surface

Comments: Thoroughly pressure wash entire area to remove chalk & other containments. Apply Sherwin-Williams Loxon Masonry Conditioner to seal chalk, and then apply topcoat



Substrate: Stucco

General Condition: Fair

Existing Conditions: Hairline Cracks

Comments: Remove old patching material. Remove loose debris & repair using Sherwin-Williams Elastomeric Masonry Patch

Substrate: Stucco

General Condition: Good

Existing Conditions: Mildew, Dirty Surface

Comments: Neutralize mildew with an appropriate mildew cleaner. Thoroughly clean entire area.

Substrate: Stucco

General Condition: Fair

Existing Conditions: Hairline Cracks

Comments: Fill voids & cavities with appropriate patch such as Stop Gap Insulating Foam to prevent water intrusion

Substrate: Stucco

General Condition: Fair

Existing Conditions: Hairline Cracks, Rust Stains, Visible Corrosion

Comments: Remove coating back to rusty metal & abrade metal to remove corrosion. Prime metal with Kem Kromik Primer. Repair area with appropriate masonry material.

Substrate: Stucco

General Condition: Fair

Existing Conditions: Blistering, Dirty Surface

Comments: Scrape loose paint to well adhered edges & check for moisture migration. Check surrounding areas for adhesion. Spot prime bare areas with Loxon Primer, apply texture finish, & topcoat with Resilience.

Exterior Walls

Substrate: Stucco

General Condition: Good

Existing Conditions: Hairline Cracks, Dirty Surface

Comments: Remove loose debris from cracks. Use Sherwin-Williams Elastomeric Masonry Patch to repair cracks.

Exterior Windows

Substrate: Aluminum

General Condition: Poor

Existing Conditions: Mildew

Comments: Clean mildew with an appropriate mildew cleaner. Thoroughly clean entire area. Remove old sealant & install Loxon H1 Bronze Sealant. Backer Rod may need to be installed.

Sidewalk & Wall joint

Substrate: Concrete Masonry

General Condition: Fair

Existing Conditions: Hairline Cracks, Dirty Surface

Comments: Thoroughly clean entire area. Remove old sealant & install Loxon H1 Sealant. Backer Rod may need to be installed.

Stucco Walls

Substrate: Stucco

General Condition: Fair

Existing Conditions: Hairline Cracks

Comments: Seal (Loxon H1 Sealant) open seams on building penetrations to prevent water intrusion.

Reference Pages

Data Pages

112.74
CONCRETE & MASONRY SMOOTH AND TEXTURED ELASTOMERIC PATCHES

PRODUCT DESCRIPTION

Concrete & Masonry Patches & Sealants bridge and seal cracks, joints and other openings in masonry substrates. Use to prevent further moisture penetration and damage. Products provide a repaired, paintable surface where cracks will not reappear.

PRODUCT ADVANTAGES

- Outstanding long-term protection
- Easy workability, application and clean-up
- Flexes with substrate movement
- Works with acrylic or elastomeric topcoats
- Seals cracks measuring 1/16" to 3/8"

FOR USE ON A WIDE VARIETY OF NON-STRUCTURAL MASONRY SUBSTRATES:

- Stucco
- EIFS
- Concrete block
- Brick
- Precast concrete
- Tilt-up concrete
- Commercial/Residential
- Interiors/Exteriors

PRODUCT AVAILABILITY:

Gun-Grade Textured		
WL70010GT	6501-87388	10.1 oz Cartridge
Gun-Grade Smooth		
WL70010GS	6501-87370	10.1 oz Cartridge
Brush-Grade, Smooth		
WL700GLSB	6501-71788	Gallon Plastic Tub
Brush-Grade, Textured		
WL700GLTB	6501-86117	Gallon Plastic Tub
Knife-Grade, Smooth		
WL700GLSK	6501-87347	Gallon Plastic Tub
Knife-Grade, Textured		
WL700GLTK	6501-87362	Gallon Plastic Tub

Color: Off White

Coverage: varies with surface

Drying Time, @ 77°F, 50% RH:
temperature and humidity dependent

Touch:	4 hours
Recoat with Concrete & Masonry Products:	24 hours
Topcoat with paint or primer:	12 hours

Flash Point: N/A

Vehicle Type: Acrylic

VOC (less exempt solvents):

Product	Number	g/L	lb/gal
Gun-Grade Textured	WL70010GT	25	0.20
Gun-Grade Smooth	WL70010GS	25	0.20
Brush-Grade, Smooth	WL700GLSB	21	0.18
Brush-Grade, Textured	WL700GLTB	21	0.17
Knife-Grade, Smooth	WL700GLSK	25	0.20
Knife-Grade, Textured	WL700GLTK	24	0.20

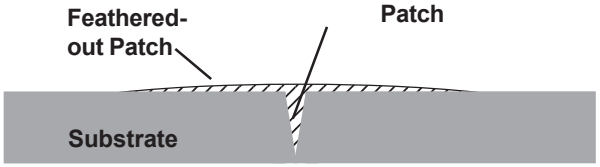
continued on back

CONCRETE & MASONRY SMOOTH AND TEXTURED ELASTOMERIC PATCHES

INSTALLATION: JOINT DESIGN

Small openings and cracks - up to 1/16" wide

Bridge over voids and small cracks up to 1/16" wide using Concrete & Masonry Patch. To ensure that the repaired area blends into the surrounding surface, provide sufficient crest over the opening to allow for shrinkage. The Patch must be feathered to zero at the edges using a brush, knife, or trowel, to prevent the repaired opening from telegraphing through the subsequent finishes. When tooling the Patch, use dry tools, or if needed, clean water can be used with the tool. Concrete & Masonry Patch sets up quickly, tool as soon as possible to provide the smoothest appearance. Do not apply more than 1/4" in depth in one application.



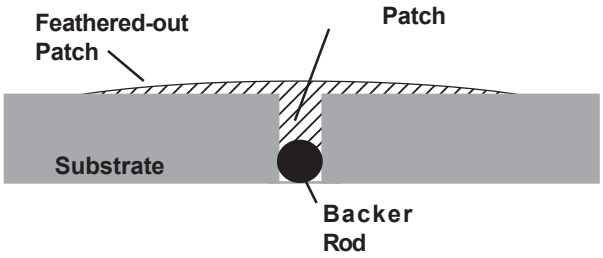
Large Openings and Cracks - from 1/16" to 3/8" wide

Cracks and voids between 1/16" and 3/8" wide should be opened to a sound surface. Flush out the opening to remove all dust. If dust is still evident, seal the surface with Loxon® Conditioner to bind the dust to the surface.

Fill the opening with Concrete & Masonry Patch. To ensure that the repaired area blends into the surrounding surface, provide sufficient crest over the opening to allow for shrinkage. The Patch must be feathered to zero at the edges using a brush, knife, or trowel, to prevent the repaired opening from telegraphing through the subsequent finishes. When tooling the Patch, use dry tools, or if needed, clean water can be used with the tool. Concrete & Masonry Patch sets up quickly, tool as soon as possible to provide the smoothest appearance. Allow this to cure 24 hours. Do not apply more than 1/4" in depth in one application.

The depth of the opening should be 1/2 the width of the opening, with a maximum depth of 1/2". In deep openings, the depth of the Patch should be controlled with a closed cell, "non-gassing" type backer rod. The backer rod should be about 1/8" wider than the opening. Do not apply more than 1/4" in depth in one application.

If the opening is 1/4" or greater, for maximum performance, prevent 3 point adhesion with backer rods or bond breaker tape. Three point adhesion problems occur in cracks when the Patch adheres to the walls and the bottom of a crack, and a significant amount of flexibility is lost. Two point adhesion - wall to wall in a crack - using backer rods or bond breaker tape offers the maximum flexibility and performance.



CLEANUP INFORMATION

Clean spills and spatters immediately with soap and warm water. Clean hands and tools immediately after use with soap and warm water.

CAUTIONS

Apply at temperatures above 50°F and humidity less than 90%

Do not apply to wet, frozen or frost covered surfaces.
Protect from freezing.
Do not use below grade or underwater.
Not for use as a structural repair.
Do not use soapy water for tooling.
Avoid over-tooling which may change the final appearance.

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf 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 publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Sheet.

115.02

Loxon®

Concrete and Masonry Primer-Sealer

U.S. LX02W0050 White, Canada LX02WQ050 White

CHARACTERISTICS

Loxon Concrete & Masonry Primer-Sealer is an acrylic coating specifically engineered for interior and exterior, above-grade, masonry surfaces requiring a high performance primer. It is highly alkali and efflorescence resistant and can be applied to surfaces with a pH of 6 to 13.

Loxon Concrete & Masonry Primer-Sealer:

Seals and adheres to concrete, brick, stucco and plaster

Conditions porous masonry surfaces

Use on above grade masonry surfaces for a long-lasting finish

Apply to masonry and concrete surfaces that are at least 7 days old.

Prevents harm to subsequent coatings by alkalies in the substrate

For use on these surfaces:

Concrete, Concrete Block, Brick, Stucco, EIFS Fiber Cement Siding, Plaster, Mortar, Exterior Wall Cladding

Color:	White
Coverage:	
Wet mils:	5.3-8.0
Dry mils:	2.1-3.2
Coverage sq.ft. per gallon	200-300

Coverage on porous & rough stucco 80 square feet per gallon

Drying Schedule 77° F @ 50% RH:

	@ 77°F
Touch:	4 hours
Recoat:	24 hours

Air and surface temperatures must not drop below 40°F for 48 hours after application.

Drying and recoat times are temperature, humidity and film thickness dependent.

Finish: 0-10 units @85°

Tinting with CCE only:

For best topcoat color development, use the recommended "P"-shade primer. If desired, up to 4 oz. per gallon of ColorCast Ecotoners can be used to approximate the topcoat color. Check color before use.

White LX02W0050

V.O.C. (less exempt solvents):

less than 50 grams per litre; 0.42 lbs.per gallon

As per 40 CFR 59.406

Volume Solids:	40 ± 2%
Weight Solids:	55 ± 2%
Weight per Gallon:	10.92 lb
Flash Point:	NA
Vehicle Type:	Acrylic
Shelf Life:	36 months,unopened

COMPLIANCE

As of 04/07/2021, Complies with:

OTC	Yes
OTC Phase II	Yes
S.C.A.Q.M.D.	Yes
CARB	Yes
CARB SCM 2007	Yes
CARB SCM 2020	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	Yes
MIR-Product Lens Certified	Yes
MPI®	Yes

APPLICATION

Temperature:

minimum	40°F

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer:	No reduction necessary
Airless Spray:	
Pressure	2000-2700 p.s.i.
Tip	.019 inch
Brush	Use a nylon-polyester brush.
Roller Cover	Use a 1/2 to 1 1/2 inch nap synthetic cover.

Spray and backroll on porous & rough stucco to achieve required film build and a pin-hole free surface.

For porous block a coat of Loxon Acrylic Block Surfacer is required to achieve a pinhole free surface.

Apply at temperatures above 40°F. When the air temperature is at 40°F, substrates may be colder; prior to painting, check to be sure the air, surface, and material temperature are above 40°F and at least 5°F above the dew point. Avoid using if rain or snow is expected within 4-6 hours.

Do not apply at air or surface temperatures below 40°F or when air or surface temperatures may drop below 40°F within 48 hours.

For best performance results, avoid painting in direct sun or painting substrates with elevated surface temperatures.

Do not reduce.

May be applied to damp but not to wet surfaces.

APPLICATION TIPS

Apply paint at the recommended film thickness and spreading rate as indicated on the page. Application of coating below minimum recommended spreading rate may adversely affect the coating systems performance.

When spot priming on some surfaces, a non-uniform appearance of the final coat may result, due to differences in holdout between primed and unprimed areas. To avoid this, prime the entire surface rather than spot priming.

For optimal performance, this primer-sealer must be topcoated with a latex, alkyd-oil, water based epoxy, or solvent based epoxy coating on architectural applications.

For exterior use, this primer-sealer must be topcoated within 14 days to prevent degradation due to weathering.

RECOMMENDED SYSTEMS

Concrete, Masonry, Cement

1 coat Loxon Concrete and Masonry Primer
2 coats Appropriate topcoat

Stucco, Fiber Cement Siding, EIFS:

1 coat Loxon Concrete and Masonry Primer
2 coats Appropriate topcoat

Recommended Architectural Topcoats:

A-100 Exterior Latex
Duration Exterior & Duration Home Interior
Emerald Exterior & Interior
Loxon Masonry Coatings
SuperPaint Exterior & Interior
ProClassic Interior
ProMar Interior

Recommended Industrial Topcoats:

Industrial Enamels
Pro Industrial Series
Steel Master 9500 Silicone Alkyd
Water Based Catalyzed Epoxy

Industrial finishes have been tested for architectural applications only. Loxon Concrete and Masonry Primer has not been tested in environments subject to chemical attack. Any recommendations for use in such areas must follow a thorough evaluation of the effects of the environment on the Loxon Concrete and Masonry Primer and topcoat system.

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Loxon®

Concrete and Masonry Primer-Sealer

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Scrape and sand peeled or checked paint to a sound surface. Sand glossy surfaces dull. Seal stains from water, smoke, ink, pencil, grease, etc. with the appropriate primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Masonry, Concrete, Stucco:

All new surfaces must cure for at least 7 days. Remove all form release and curing agents. Pressure clean to remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, peeling and defective coatings, chalks, etc. Allow the surface to dry before proceeding. Repair cracks, voids, and other holes with an appropriate patching compound or sealant.

Concrete and mortar must be cured at least 7 days at 75°F. Moisture content must be 15% or lower. On tilt-up and poured-in-place concrete, commercial detergents and sandblasting may be necessary to remove sealers, release compounds, and to provide an anchor pattern. Fill bugholes, air pockets and other voids with an elastomeric patch or sealant.

Caulking

Fill gaps between walls, ceilings, crown moldings, and other trim with the appropriate caulk after priming the surface.

SURFACE PREPARATION

Mildew:

Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

PHYSICAL PROPERTIES

Do not paint on wet surfaces.

LX02W0050

Water Vapor Permeance (US) : 25.79 perms

Method: ASTM D1653 grains/(hr ft2 in Hg)

Flexibility:

Method: ASTM D522, method B, 180° bend, 1/8 inch mandrel

Result: Pass

Alkali Resistance:

Method: ASTM D1308

Result: Pass

Mildew Resistance:

Method: ASTM D3273/D3274

Result: Pass

Efflorescence:

Method: ASTM D7072-04

Result: None

Wind Driven Rain Test:

Method: ASTM D6904-03

Result: Pass

CAUTIONS

For interior or exterior use.

Protect from freezing.

Do not apply at temperatures below 40°F. Air and surface temperatures must not drop below 40°F for 48 hours after application.

Before using, carefully read **CAUTIONS** on label.

CRYSTALLINE SILICA, ZINC. Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (**NIOSH** approved) or leave the area. Adequate ventilation required when sanding or abrading the dried film. If adequate ventilation cannot be provided wear an approved particulate respirator (**NIOSH** approved). Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.** Abrading or sanding of the dry film may release crystalline silica which has been shown to cause lung damage and cancer under long term exposure. **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.**

HOTW 04/07/2021 LX02W0050 42 46 FRC, SP

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with a compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

115.03

Loxon®
Acrylic Conditioner

LX03W0100 Guide Coat White, LX03V0100 Clear

CHARACTERISTICS

Loxon Acrylic Conditioner is a 100% acrylic emulsion conditioner that will penetrate and seal interior and exterior surfaces and bond light chalk to the surface. With excellent alkali and efflorescence resistance, this sealer allows new concrete, stucco, and other cementitious surfaces to be coated prior to a 30-day cure, and will adhere to new or existing concrete with a pH of 6 to 13.

For use on these surfaces:

Concrete, Concrete Block, Brick, Stucco, Fiber Cement Siding, Plaster, Mortar, EIFS Exterior Wall Cladding

Color:	Guide Coat White & Clear
Coverage:	
Coverage sq.ft. per gallon	200-300

Do not build a surface glaze.

Drying Schedule 77° F @ 50% RH:

Drying and recoat times are temperature, humidity and film thickness dependent.

Touch:	30 minutes
Tack free:	1 hour
Recoat:	3 hours

Tinting with CCE only:

Requires ColorCast Ecotoner colorant for tinting. If desired, up to 1 oz per gallon of ColorCast Ecotoner colorant can be used to approximate the topcoat color. Check color before use.

Clear LX03V0100

V.O.C. (less exempt solvents):	
less than 50 grams per litre; 0.42 lbs.per gallon As per 40 CFR 59.406	
Volume Solids:	15 ± 2%
Weight Solids:	17 ± 2%
Weight per Gallon:	8.44 lb
Flash Point:	N/A
Vehicle Type:	Proprietary Acrylic
Shelf Life:	36 months,unopened

Guide Coat White LX03W0100

V.O.C. (less exempt solvents):	
less than 50 grams per litre; 0.42 lbs.per gallon As per 40 CFR 59.406	
Volume Solids:	17 ± 2%
Weight Solids:	24 ± 2%
Weight per Gallon:	8.92 lb
Flash Point:	N/A
Vehicle Type:	Proprietary Acrylic
Shelf Life:	36 months,unopened
WVP Perms (US):	27.55 grains/(hr ft^2 in Hg)

COMPLIANCE

As of 07/31/2020, Complies with:

OTC	Yes
OTC Phase II	Yes
SCAQMD	Yes
CARB	Yes
CARB SCM 2007	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	No
MIR-Manufacturer Inventory	No
MPI	N.A.

APPLICATION

Temperature:

minimum	50°F

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer:	No reduction necessary
Airless Spray:	
Pressure	700-1000 p.s.i.
Tip	.015-.019 inch
Brush	Use a nylon/polyester or foam brush.
Roller Cover	Use a 3/8 to 3/4 inch nap synthetic cover.

If the surface requires a full bodied prime/block filler coat rather than a thin penetrating sealer, use Loxon Concrete & Masonry Primer or Loxon Acrylic Block Surfacer.

Apply at temperatures above 50°F. When the air temperature is at 50°F, substrates may be colder; prior to painting, check to be sure the air, surface, and material temperature are above 50°F and at least 5°F above the dew point.

Do not apply if the surface temperature is below 50°F, when rain is expected within 3 hours, or when the relative humidity is 90% or more.

Do not paint in direct sun or on a hot surface.

Do not reduce.

APPLICATION TIPS

Do not build a surface glaze.

Do not apply to a damp surface.

Do not apply over heavy chalk.

For maximum resistance to efflorescence, you must topcoat with one of the Loxon Masonry Finishes.

On exterior applications, Loxon Acrylic Conditioner must be topcoated within 7 days or the surface may need to be re-cleaned.

RECOMMENDED SYSTEMS

Masonry, Concrete, Stucco, Block,
1 coat Loxon Acrylic Conditioner
2 coats Appropriate topcoat

Fiber Cement Siding, EIFS:
1 coat Loxon Acrylic Conditioner
2 coats Appropriate topcoat

Previously Painted:
1 coat Loxon Acrylic Conditioner
2 coats Appropriate topcoat

Recommended Architectural Topcoats:
Loxon Masonry Coatings
ConFlex Masonry Coatings
A-100 Exterior Latex
Duration Exterior & Duration Home Interior
Emerald Exterior & Interior
SuperPaint Exterior & Interior
ProMar Interior

continued on back

Loxon®

Acrylic Conditioner

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

New and Previously Painted:

Remove all surface contamination (peeling paint, heavy chalk, efflorescence, laitance, concrete dust, etc.) by washing or pressure washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Masonry, Concrete, Stucco:

All new surfaces must cure for at least 7 days. Remove all form release and curing agents. Pressure clean to remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, peeling and defective coatings, chalks, etc. Allow the surface to dry before proceeding. Repair cracks, voids, and other holes with an appropriate patching compound or sealant.

Concrete and mortar must be cured at least 7 days at 75°F. Moisture content must be 15% or lower. On tilt-up and poured-in-place concrete, commercial detergents and sandblasting may be necessary to remove sealers, release compounds, and to provide an anchor pattern. Fill bugholes, air pockets and other voids with an elastomeric patch or sealant.

Plaster

Must be cured, usually 30 days, and hard. If painting cannot wait, allow the surface to dry 7 days (within a pH range of 6 to 13) and prime with Loxon Acrylic Conditioner. **Do not build a surface glaze.** If the surface requires a full bodied prime coat rather than a thin penetrating sealer, use Loxon Concrete & Masonry Primer. Soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with water and allow to dry before painting.

Brick

Must be free of dirt, loose and excess mortar, and foreign material. All brick should be allowed to weather for at least one year followed by wire brushing to remove efflorescence. Treat the bare brick with one coat of Loxon Acrylic Conditioner.

SURFACE PREPARATION

Mildew:

Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

CAUTIONS

For interior or exterior use.

Protect from freezing.

Not for use on floors

Before using, carefully read **CAUTIONS** on label.

CRYSTALLINE SILICA: Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (**NIOSH** approved) or leave the area. Adequate ventilation required when sanding or abrading the dried film. If adequate ventilation cannot be provided wear an approved particulate respirator (**NIOSH** approved). Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.** Abrading or sanding of the dry film may release crystalline silica which has been shown to cause lung damage and cancer under long term exposure. **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.**

HOTW	07/31/2020	LX03W0100	16 00
HOTW	07/31/2020	LX03V0100	12 00
FRC, SP			

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with a compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

102.18

Resilience®

Exterior Latex Satin

K43-Series

CHARACTERISTICS

Resilience Exterior is a high quality exterior finish with MoistureGuard™ Technology for excellent early moisture resistance. This product, which has improved resistance to early dirt pick up, is recommended for use on aluminum and vinyl siding, wood siding, clapboard, shakes, shingles, plywood, masonry, and metal down to a surface and air temperature of 35°F.

VinylSafe™ paint colors allow you the freedom to choose from 100 color options, including a limited selection of darker colors formulated to resist warping or buckling when applied to a sound, stable vinyl substrate.

Color: Most Colors

Coverage: 350-400 sq. ft. per gallon @ 4 mils wet;1.6 mils dry

Drying Time, @ 50% RH:

	@ 35-45°F	@ 45°F +
Touch:	2 hours	2 hours
Recoat:	24-48 hours	4 hours

Drying and recoat times are temperature, humidity, and film thickness dependent

Finish: 10-20 units @ 60°

Tinting with CCE only:

Base:	oz . per gallon	Strength:
Extra White	0-7	SherColor
Deep Base	4-12	SherColor
Ultradeep Base	10-12	SherColor
Light Yellow	0-12	SherColor
Primary Red	0-12	SherColor
Vivid Yellow	0-12	SherColor

Extra White K43W00051
(may vary by color)

VOC (less exempt solvents):
less than 50 grams per litre; 0.42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids: 38 ± 2%
Weight Solids: 52 ± 2%
Weight per Gallon: 10.57 lbs
Flash Point: N/A
Vehicle Type: 100% Acrylic
Shelf Life: 36 months unopened
WVP Perms (US) 25.11 grains/(hr ft^2 in Hg)

Mildew Resistant
This coating contains agents which inhibit the growth of mildew on the surface of this coating film.

COMPLIANCE

As of 08/27/2020, Complies with:

OTC	Yes
OTC Phase II	Yes
SCAQMD	Yes
CARB	Yes
CARB SCM 2007	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	N.A.
LEED® v4 & v4.1 VOC	Yes
EPD-NSF® Certified	N.A.
MIR-Manufacturer Inventory	N.A.
MPI®	Yes

APPLICATION

When the air temperature is at 35°F, substrates may be colder; prior to painting, check to be sure the air, surface, and material temperature are above 35°F and at least 5°F above the dew point. Avoid using if rain or snow is expected within 1-1$^{1/2}$ hours.

Do not apply at air or surface temperatures below 35°F or when air or surface temperatures may drop below 35°F within 48 hours.

No reduction necessary.

Brush: Use a nylon-polyester brush.

Roller:

Use a high quality 3/8-3/4 inch nap synthetic roller cover.

For specific brushes and rollers, please refer to our Brush and Roller Guide on Sherwin-Williams.com

Spray—Airless

Pressure	2000 p.s.i.
Tip	.015-.019 inch

APPLICATION TIPS

Make sure product is completely agitated (mechanically or manually) before use.

SPECIFICATIONS

Aluminum & Aluminum Siding[1], **Galvanized Steel**[1]

2 coats Resilience Exterior Latex

Concrete Block, CMU, Split face Block

1 coat Loxon Acrylic Block Surfacer
2 coats Resilience Exterior Latex

Brick, Stucco, Cement, Concrete

1 coat Loxon Concrete and Masonry Primer[3] or

Loxon Conditioner[2]
2 coats Resilience Exterior Latex

Cement Composition Siding/Panels

1 coat Loxon Concrete and Masonry Primer[3] or

Loxon Conditioner[2]
2 coats Resilience Exterior Latex

Plywood
1 coat Exterior Latex Primer
2 coats Resilience Exterior Latex

***Vinyl Siding**

2 coats Resilience Exterior Latex

Wood, Composition Board (Cedar, Redwood)[4]
1 coat Exterior Oil-Based Wood Primer[2]
2 coats Resilience Exterior Latex

[1] On large expanses of metal siding, the air, surface, and material temperatures must be 50°F or higher.

[2] Not for use at temperatures under 50°F. See specific primer label for that product's application conditions.

[3] Not for use at temperatures under 40°F. See specific primer label for that product's application conditions.

[4] Knots and some woods, such as redwood and cedar, contain a high amount of tannin, a colored wood extract. For best results on these woods, use a coat of Exterior Oil-Based Wood Primer.

Other primers may be appropriate.

When repainting involves a drastic color change, a coat of primer will improve the hiding performance of the topcoat color.

continued on back

Resilience®
Exterior Latex Satin

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Aluminum and Galvanized Steel:

Wash to remove any oil, grease, or other surface contamination. All corrosion must be removed with sandpaper, wire brush, or other abrading method.

Cement Composition Siding-Panels:

Remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, and peeling or defective coatings. Allow the surface to dry thoroughly. If the surface is new, test it for pH, if the pH is higher than 9, prime with Loxon Concrete & Masonry Primer.

Caulking:

Gaps between windows, doors, trim, and other through-wall openings can be filled with the appropriate caulk after priming the surface.

Concrete, Masonry,Cement, Block:

All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces should be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer. Cracks, voids, and other holes should be repaired with an elastomeric patch or sealant. **Concrete masonry units (CMU) -** Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 50°F (10°C) before filling. Use Loxon Acrylic Block Surfacer. The filler must be thoroughly dry before topcoating.

Stucco:

Remove any loose stucco, efflorescence, or laitance. Allow new stucco to cure at least 30 days before painting. If painting cannot wait 30 days, allow the surface to dry 7 days and prime with Loxon Concrete & Masonry Primer. Repair cracks, voids, and other holes with an elastomeric patch or sealant.

SURFACE PREPARATION

Mildew:

Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

Previously Painted Surfaces:

If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Steel:

Rust and mill scale must be removed using sandpaper, wire brush, or other abrading method. Bare steel must be primed the same day as cleaned.

***Vinyl or other PVC Building Products:**

Clean the surface thoroughly by scrubbing with warm, soapy water. Rinse thoroughly, if needed prime with appropriate white primer. Do not paint vinyl with any color darker than the original color or having a Light Reflective Value (LRV) of less than 56 unless VinylSafe® Colors are used. If VinylSafe colors are not used the vinyl may warp. Follow all painting guidelines of the vinyl manufacturer when painting. Only paint properly installed vinyl siding. Deviating from the manufacturer's painting guidelines may cause the warranty to be voided.

Wood, Plywood, Composition Board:

Clean the surface thoroughly then sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth. All new and patched areas must be primed. Knots and some woods, such as redwood and cedar, contain a high amount of tannin, a colored wood extract. If applied to these bare woods, it may show some staining. If staining persists, spot prime severe areas with 1 coat of Exterior Oil-Based Wood Primer prior to using.

CAUTIONS

For Exterior use only

Protect from freezing

Non-photochemically reactive

Not for use on floors.

Before using, carefully read **CAUTIONS on label**

ZINC: Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (**NIOSH** approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **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.**

HOTW 08/27/2020 K43W00051 42 39
FRC, SP

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

Pro Industrial™ Pro-Cryl®
Universal Primer

B66-1300 Series

CHARACTERISTICS

Pro Industrial Pro-Cryl® Universal Primer is an advanced technology, self cross-linking acrylic primer. It is rust inhibitive and was designed for both construction and maintenance applications. It can be used as a primer under water-based or solvent-based high performance topcoats.

Features:
- Rust inhibitive, corrosion resistant
- Single component
- Early moisture resistant
- Fast dry
- Lower temperature application 40°F
- Interior and exterior use
- Suitable for use in USDA inspected facilities

For use on properly prepared:
Steel, Galvanized & Aluminum, wood

Finish:	Low Sheen
Color:	Off White, Medium Grey, and Red Oxide

Recommended Spreading Rate per coat:

Wet mils:	5.0-10.0
Dry mils:	1.9-3.8
Coverage:	160-320 sq.ft. per gallon
Theoretical Coverage:	609 sq. ft. per gallon @ 1 mil dry

Approximate spreading rates are calculated on volume solids and do not include any application loss.
Note: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 6.0 mils wet, @ 50% RH:

Drying, and recoat times are temperature, humidity, and film thickness dependent.

	@40°F	@77°F	@120°F
To touch	2 hours	40 minutes	20 minutes
Tack free	8 hours	2 hours	1 hour
To recoat	16 hours	4 hours	2 hours

Tinting: **DO NOT TINT**

Off White B66W01310
(may vary by base)

V.O.C. (less exempt solvents):
less than 50 grams per litre; 0.42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids:	38 ± 2%
Weight Solids:	49 ± 2%
Weight per Gallon:	10.09 lb
Flash Point:	N/A
Shelf Life:	36 months, unopened

COMPLIANCE

As of 04/09/2020, Complies with:

OTC	**Yes**
OTC Phase II	**Yes**
SCAQMD	**Yes**
CARB	**Yes**
CARB SCM 2007	**Yes**
Canada	**Yes**
LEED® v4 & v4.1 Emissions	**Yes**
LEED® v4 & v4.1 V.O.C.	**Yes**
EPD-NSF® Certified	**Yes**
MIR-Manufacturer Inventory	**Yes**
NSF® Certification	
MPI®	**Yes**

APPLICATION

Temperature:

minimum	40°F
maximum	120°F
	air, surface, and material
	At least 5°F above dew point
Relative humidity:	85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer:	Water

Airless Spray:

Pressure	2000 p.s.i.
Hose	1/4 inch I.D.
Tip	.015 - .019 inch
Filter	60 mesh

Conventional Spray:

Gun	Binks 95
Fluid Nozzle	66
Air Nozzle	63 PB
Atomization Pressure	60 p.s.i.
Fluid Pressure	25 p.s.i.
Reduction:	as needed up to 5 % by volume
Brush	Nylon-polyester
Roller Cover	3/8 inch woven

If specific application equipment is listed above, equivalent equipment may be substituted.

Apply paint at the recommended film thickness and spreading rate as indicated. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

Stripe coat crevices, welds, and sharp angles to prevent early failure in these areas. For best results on rusty surfaces, always apply first coat by brush. When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle.

No painting should be done immediately after a rain or during foggy weather.

For optimal performance, this primer should be topcoated.
For exterior exposure, this primer should be topcoated within 14 days. If 14 days is exceeded remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Finish with appropriate topcoat.

SPECIFICATIONS

Acceptable Water Based topcoats:

1-2 coats Pro Industrial Acrylic Coating or
Pro Industrial Acrylic Dryfall
Pro Industrial DTM Acrylic
Pro Industrial Multi-Surface Acrylic
Pro Industrial Pre-Catalyzed Epoxy
Pro Industrail Pre-Catalyzed Urethane
Pro Industrial Water Based Acrolon 100
Pro Industrial Water Base Alkyd Urethane
Pro Industrial Water Based Catalyzed Epoxy
Sherwin-Williams Architectural Coatings

Acceptable Solvent Based topcoats:

1-2 coats Pro Industrial High Performance Epoxy
or
Pro Industrial Urethane Alkyd

The finishes listed above are representative of the product's use, other finishes may be appropriate.

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Pro Industrial™ Pro-Cryl®
Universal Primer

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Do not use hydrocarbon solvents for cleaning.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Iron & Steel - Minimum surface preparation is Hand Tool Cleaning per SSPC-SP2. Remove all oil and grease from the surface per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Prime the area the same day as cleaned. Self priming

Aluminum - Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1. Self priming.

Galvanizing - Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP16 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned. Self priming.

Previously Painted Surfaces - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Wood - Surface must be clean, dry and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked.

SURFACE PREPARATION

Mildew- Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

PERFORMANCE

System Tested: (unless otherwise indicated)
Substrate: Steel
Surface Preparation: SSPC-SP10
Finish: 1 coat Pro Industrial Pro-Cryl Off White
1 coat Pro Industrial Acrylic Coating

Adhesion:
Method: ASTM D4541
Result: 500 p.s.i.

Corrosion Weathering:
Method: ASTM D5894, 10 cycles, 3360 hours
Result: Passes

Direct Impact Resistance:
Method: ASTM D2794
Result: greater than 140 inch lb.

Dry Heat Resistance:
Method: ASTM D2485
Result: 200°F

Flexibility:
Method: ASTM D522, 180° bend, 1/4 inch mandrel
Result: Passes

Moisture Condensation Resistance:
Method: ASTM D4585, 100°F, 1250 hours
Result: Passes

Pencil Hardness:
Method: ASTM D3363
Result: B

Salt Fog Resistance:
Method: ASTM B117, 1250 hours
Result: Passes

Provides performance comparable to products formulated In Lieu of federal specification: AA50557 and Paint Specification: SSPC-Paint 23.

SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label.
Refer to the Safety Data Sheets (SDS) before use.
FOR PROFESSIONAL USE ONLY.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

HOTW	04/20/2020	B66W01310	03 40
HOTW	04/20/2020	B66A01320	04 39
HOTW	04/20/2020	B66N01310	04 39
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Pro Industrial™

Waterbased Alkyd Urethane Enamel Semi-Gloss

B53-1150/2150 Series

CHARACTERISTICS

Pro Industrial Waterbased Alkyd Urethane Enamel is a premium quality interior-exterior enamel formulated with a urethane modified alkyd resin system for high performance. It provides beauty and durability when applied to interior-exterior surfaces such as properly prepared drywall, wood, masonry and metal. It brings together the convenience and ease of use of a waterborne coating with the performance and coating characteristics of a traditional oil-based enamel.

- Excellent washability & flow & leveling
- Excellent touch up
- Easy application & cleanup
- Resistant to yellowing compared to traditional alkyds
- Suitable for use in USDA inspected facilities

For use on properly prepared:
Steel, Galvanized & Aluminum, Drywall, Concrete and Masonry, and Wood.

Finish:	50-70° @60°
Color:	Most colors

Recommended Spreading Rate per coat:

Wet mils:	4.0-5.0
Dry mils:	1.4-1.7
Coverage:	320-389 sq.ft. per gallon
Theoretical Coverage:	545 sq. ft. per gallon @ 1 mil dry

Approximate spreading rates are calculated on volume solids and do not include any application loss.
Note: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 4.0 mils wet, @ 50% RH:

Drying, and recoat times are temperature, humidity, and film thickness dependent.

	@77°F
To touch	1-2 hours
To recoat	4 hours

Tinting with CCE only:

Base	**oz. per gallon**	**Strength**
Extra White	0-6	SherColor
Deep Base	4-12	SherColor
Ultradeep Base	10-14	SherColor

Extra White B53W02151
(may vary by color)

V.O.C. (less exempt solvents):
less than 50 grams per litre; 0.42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids:	34 ± 2%
Weight Solids:	51 ± 2%
Weight per Gallon:	10.94 lb
Flash Point:	N/A
Vehicle Type:	Urethane modified alkyd
Shelf Life:	36 months, unopened

COMPLIANCE

As of 03/10/2020, Complies with:

OTC	**Yes**
OTC Phase II	**Yes**
SCAQMD	**Yes**
CARB	**Yes**
CARB SCM 2007	**Yes**
Canada	**Yes**
LEED® v4 & v4.1 Emissions	**No**
LEED® v4 & v4.1 V.O.C.	**Yes**
EPD-NSF® Certification	**No**
MIR-Manufacturer Inventory	**No**
NSF® Certification	
MPI®	**No**

APPLICATION

Temperature:

minimum	50°F / 10°C
maximum	100°F / 37.8°C
	air, surface, and material
	At least 5°F above dew point
Relative humidity:	85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer:	Water

Airless Spray:

Pressure	2000 p.s.i.
Hose	1/4 inch I.D.
Tip	.013 - .017 inch
Filter	60 mesh
Reduction	Not recommended
Brush	Nylon-polyester
Roller Cover	1/4-1/2 inch woven

If specific application equipment is listed above, equivalent equipment may be substituted.

Apply paint at the recommended film thickness and spreading rate as indicated on front page. Application of coating below minimum recommended spreading rate will adversely affect coating performance.

No painting should be done immediately after a rain or during foggy weather.
When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. Apply coating evenly while maintaining a wet edge to prevent lapping.

SPECIFICATIONS

Steel:
1 coat Pro Industrial Pro-Cryl Primer
2 coats Pro Industrial Waterbased Alkyd Urethane

Aluminum and Galvanizing:
1 coat Pro Industrial Pro-Cryl Primer
2 coats Pro Industrial Waterbased Alkyd Urethane

Concrete Block (CMU):
1 coat Pro Industrial Heavy Duty Blockfiller or Loxon Acrylic Block Surfacer
2 coats Pro Industrial Waterbased Alkyd Urethane

Concrete-Masonry:
1 coat Loxon Concrete & Masonry Primer (if needed)
2 coats Pro Industrial Waterbased Alkyd Urethane

Drywall:
1 coat ProMar 200 Zero V.O.C. Primer
2 coats Pro Industrial Waterbased Alkyd Urethane

Wood, exterior:
1 coat Exterior Wood Primer
2 coats Pro Industrial Waterbased Alkyd Urethane

Wood, interior:
1 coat Premium Wall & Wood Primer
2 coats Pro Industrial Waterbased Alkyd Urethane

The systems listed above are representative of the product's use, other systems may be appropriate.

continued on back

Pro Industrial™

Waterbased Alkyd Urethane Enamel Semi-Gloss

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Do not use hydrocarbon solvents for cleaning.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Iron & Steel - Minimum surface preparation is Hand Tool Clean per SSPC-SP2. Remove all oil and grease from surface per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Primer recommended for best performance

Aluminum - Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1. Prime the area the same day as cleaned.

Galvanizing - Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP16 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned.

Concrete Block - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 55°F (13°C) before filling. Use Pro industrial Heavy Duty Block Filler or Loxon Acrylic Block Surfacer. The filler must be thoroughly dry before topcoating.

Masonry - All masonry must be free of dirt, oil, grease, loose paint, mortar, masonry dust, etc. Clean per SSPC-SP13/Nace 6/ ICRI No. 310.2R, CSP 1-3. Poured, troweled, or tilt-up concrete, plaster, mortar, etc. must be thoroughly cured at least 30 days at 75°F. Form release compounds and curing membranes must be removed by brush blasting. Brick must be allowed to weather for one year prior to surface preparation and painting. Prime the area the same day as cleaned. Weathered masonry and soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface. Apply one coat Loxon Conditioner, following label recommendations.

Wood - Surface must be clean, dry, and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked.

SURFACE PREPARATION

Previously Painted Surface - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Mildew- Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/ water solution.

PERFORMANCE

System Tested: (unless otherwise indicated)
Substrate: Steel
Surface Preparation: SSPC-SP10
Finish:
1 coat Waterbased Alkyd Urethane, 5 W.F.T.

Adhesion:	
Method:	ASTM D3359 method B
Result:	4B
Pencil Hardness:	
Method:	ASTM D3363
Result:	4H
Flexibility:	
Method:	Method: ASTM D522, 180°bend, 1/4" mandrel
Result:	Pass
Dry Heat Resistance:	
Method:	ASTM D2485
Result:	200°F
Block Resistance:	
Lab assessment	Excellent
Resistance to Yellowing:	
Lab assessment	Excellent

No painting should be done immediately after a rain or during foggy weather.
Do not paint on wet surfaces.
Check adhesion by applying a test strip to determine the readiness for painting.

SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label.
Refer to the Safety Data Sheets (SDS) before use.
FOR PROFESSIONAL USE ONLY.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

DANGER: Rags, steel wool, other waste soaked with this product, and sanding residue may spontaneously catch fire if improperly discarded. Immediately place rags, steel wool, other waste soaked with this product, and sanding residue in a sealed, water-filled, metal container. Dispose of in accordance with local fire regulations.

HOTW 03/10/2020 B53W01153 09 39 FRC

125.20

Kem Kromik®
Universal Metal Primer

B50NZ0006 Brown, B50WZ0001 Off White, B50AZ0006 Gray

CHARACTERISTICS

KEM KROMIK UNIVERSAL METAL PRIMER is a rust inhibiting, modified phenolic alkyd resin primer designed for use over iron and steel substrates. Can be used as a universal primer under high performance topcoats. Suitable as a barrier coat over conventional coatings which would normally be attacked by strong solvents in high performance coatings.

For use on properly prepared: Steel

Features:
- High film build to protect sand blasted steel
- Corrosion resistant
- Universal, can be topcoated with epoxies and urethanes
- Exterior-interior metal primer
- Suitable for use in USDA inspected facilities

Recommended for use in:
- Shopcoat primer
- Maintenance primer
- Structural steel
- Machinery
- Marine vessels
- Barrier coating
- Hand rail
- Storage tanks
- Bar joists
- Steel pipe

Color: Brown, Off White, Gray

Recommended Spreading Rate per coat:
(B50NZ0006 varies by base)

Wet mils:	6.0-8.0
Dry mils:	3.2-4.2
Coverage sq. ft. per gallon:	202-265
Theoretical coverage: sq. ft. per gallon @ 1 mil dry	850

Approximate spreading rates are calculated on volume solids and do not include any application loss. Note: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 6.0 mils wet, @ 50% RH:

	@40°F	@77°F	@110°F
To touch :	2 hour	30 min.	15 min.
Tack handle:	2.5 hours	1 hour	20 min.
To recoat: with itself and alkyds	2.5 hours	1 hour	45 min.
To recoat:*	36 hours	16 hours	16 hours
To recoat: with acrylic latex paints	48-72 hours	48-72 hours	48-72 hours
Cure time	7 days	7 days	7 days

* Recoat with hot solvent urethane or epoxies or high performance coatings.

Drying, and recoat times are temperature, humidity, and film thickness dependent.

Tinting: **Do Not Tint**

Finish: **Flat**

Brown B50NZ0006
(may vary by color)

V.O.C. (less exempt solvents):
408 grams per litre; 3.40 lbs. per gallon
As per 40 CFR 59.406

Volume Solids:	53 ± 2%
Weight Solids:	73 ± 2%
Weight per Gallon:	12.70 lb
Flash Point:	80°F PMCC
Shelf Life:	36 months, unopened

COMPLIANCE

As of 03/06/2020, Complies with:

OTC	**No**
OTC Phase II	**No**
SCAQMD	**No**
CARB	**No**
CARB SCM 2007	**No**
Canada	**No**
LEED® v4 & v4.1 Emissions	**No**
LEED® v4 & v4.1 V.O.C.	**No**
EPD-NSF® Certified	**No**
MIR-Product Lens Certified	**No**
MPI®	**Yes**

APPLICATION

Temperature:

minimum	40°F / 4.4°C
maximum	120°F / 49°C
	air, surface, and material
	At least 5°F above dew point
Relative humidity:	85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer:	Not recommended
	Xylene,R2K4
Airless Spray:	
Pressure	1800-3000 p.s.i.
Hose	1/4 inch I.D.
Tip	.015-.019 inch
Filter	60 mesh
Conventional Spray:	Binks 95
Brush	Natural Bristle
Roller Cover	3/8 inch woven with solvent resistant core

If specific application equipment is listed above, equivalent equipment may be substituted.

Apply paint at the recommended film thickness and spreading rate as indicated on front page. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance. Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness, or porosity of the surface, skill, and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, over thinning, climatic conditions, and excessive film build.

Mix paint thoroughly to a uniform consistency with slow speed power agitation prior to use.

Stripe coat crevices, welds, and sharp angles to prevent early failure in these areas. When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle.

Not recommended for immersion service or exposure to acids, alkalis, or strong solvents.

Intimate contact with the steel surface and primer is necessary for adequate rust inhibition and adhesion.

For maximum adhesion, acrylic topcoats require 48 - 72 hours drying of primer.

SPECIFICATIONS

Steel:
1 coat Kem Kromik Universal Primer
2 coats Topcoat

Acceptable Topcoats:
Acrolon 218 HS Polyurethane
Hi-Solids Polyurethane
Industrial Enamel
Macropoxy 646 Epoxy
Macropoxy HS Epoxy
Metalatex Semi-Gloss Enamel
Pro Industrial Acrylic
Pro Industrial Waterbased Epoxy
Pro Industrial Waterbased Alkyd-Urethane
Pro Industrial Multi-Surface Acrylic
Pro Industrial Pre-Catalyzed Epoxy & Urethane
Pro Industrial Urethane Alkyd Enamel
Pro Industrial Waterbased Acrolon 100
Sher-Cryl
Silver-Brite Aluminum
Steel Master 9500
Tile-Clad HS Epoxy

The systems listed above are representative of the product's use, other systems may be appropriate. Other primers may be appropriate.

continued on back

Kem Kromik®
Universal Metal Primer

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Iron & Steel- Minimum surface preparation is Hand Tool Clean per SSPC-SP2. Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6-NACE 3, blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2 mils). Prime any bare steel within 8 hours or before flash rusting occurs.

Previously Painted Surfaces - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Other substrates may or may not be appropriate. If a specific substrate is not listed above, consult your Sherwin-Williams representative for more information**.**

As a "Barrier" Coat - If it is necessary to topcoat a previously painted surface with chemically resistant or strong solvent topcoats, Kem Kromik Universal Metal Primer can be used as a barrier coat to help reduce lifting. Apply a coat of Kem Kromik Universal Metal Primer to a small area to test for adhesion or bleeding. If there is evidence of either poor adhesion or bleeding, clean surface to bare steel and apply recommended system.

Ductile Iron Pipe Atmospheric Service: Minimum surface preparation is power tool clean per National Association of Pipe Fabricators (NAPF) standards. First remove all oil and grease from surface by Solvent Cleaning per NAPF 500-03-01.Then power tool clean per NAPF 500-03-03. All existing coatings must be removed prior to priming. This includes but not limited to shop primers, asphaltic coatings or casting agents. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Ductile Iron Fittings Atmospheric Service: Minimum surface preparation is abrasive blast cleaning per NAPF standards. First remove all oil and grease from surface by Solvent Cleaning NAPF 500-03-01. Then abrasive blast cleaning per NAPF 500-03-05.

SURFACE PREPARATION

Mildew - Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

PERFORMANCE

Off White B50WZ0001

System Tested: (unless otherwise indicated)
Substrate: Steel
Surface Preparation: SSPC-SP6-NACE 3
Primer: 1 coat Kem Kromik @ 4.5-5 Mils W.F.T.

Adhesion:
Method: ASTM D3359
Result: 4B

Corrosion Resistance:
Method: ASTM D5894, 1008
Result: Pass

Dry Heat Resistance
Method: ASTM D2485
Result: 200°F

Flexibility:
Method: ASTM D522, 1/4 inch mandrel
Result: Pass

Fineness of grind[1]:
Method: Hegman
Result: 4 Hegman minimum

Sag Test[1]**:**
Method: ASTM D4400
Result: 12 mils minimum

Viscosity[1]**:**
Method: Krebs Units
Result: 84-94 KU

Water Resistance:
Result: Pass

[1] Standard test based on Certificate of Analysis

SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label. Refer to the Safety Data Sheets (SDSs) before use.

FOR PROFESSIONAL USE ONLY.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

CLEANUP INFORMATION

Clean spills, spatters & tools with compliant cleanup solvent. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

DANGER: Rags, steel wool, other waste soaked with this product, and sanding residue may spontaneously catch fire if improperly discarded. Immediately place rags, steel wool, other waste soaked with this product, and sanding residue in a sealed, water-filled, metal container. Dispose of in accordance with local fire regulations.

HOTW	03/06/2020	B50NZ0006	41 408
HOTW	03/06/2020	B50WZ0001	39 389
HOTW	03/06/2020	B50AZ0006	21 387

White Lightning® STOP GAP!®
Minimal and Triple Expanding Insulating Foam

These products expand to take the shape of gaps and crevices forming an airtight and waterproof bond to most surfaces. White Lightning® STOP GAP!® dries tack-free in 30 minutes and cures in 8 hours. It can be trimmed, sanded and painted. Exposure to sunlight will cause discoloration, so exterior usage requires painting. For use on: wood, metal, masonry, glass and most plastics.

- Fills and insulates gaps and cracks
- Water resistant

Physical Properties	Minimal Expanding	Triple Expanding
Type:	Polyurethane prepolymer and hydrocarbon propellant	Polyurethane prepolymer and hydrocarbon propellant
Color:	Tan	Tan
Shelf Life:	18 months	18 months
Flash Point:	-156°F	-156° F
Flammability:	UEL Upper 10% LEL Lower 1.8%	UEL Upper 10% LEL Lower 1.8%
Cure Time:	4 hours at 70°F and 40% R.H.	4 hours at 70°F and 40% R.H.
Tack Free Time:	Less than 30 minutes at 70°F and 40% R.H.	Less than 30 minutes at 70°F and 40% R.H.
Application Temperature:	Between 60°F and 100°F	Between 60°F and 100°F
Service Temperature:	Less than 200°F	Less than 200°F
Water Resistance:	Cured foam is resistant to water	Cured Foam is resistant to water
Odor:	Slight hydrocarbon odor	Slight hydrocarbon odor
Vehicle:	Hydrocarbon propellant	Hydrocarbon propellant
Density	closed cell 2.2 cubic feet	closed cell 1.75 cubic feet

Performance Data		
Freeze-Thaw Stability:	Keep unused container from freezing	Keep unused container from freezing
Clean Up:	Clean uncured foam with acetone	Clean uncured foam with acetone

Application:

1. Surfaces should be free of oil, grease and excessive moisture. For best results, apply at temperatures between 60°F and 100°F.
2. White Lightning® STOP GAP!® may be applied by using the trigger assembly provided with the product. Triggering the valve will expel the product into the opening to be sealed. For Minimal Expanding Foam, fill the cavity to 66% of capacity; for Triple Expanding Foam, fill the cavity to 40% of capacity. Insulating foams will then expand to fill the entire cavity to capacity.

Clean-up

Remove wet foam immediately from skin or clothes with acetone or nail polish remover. Dried foam is very difficult to remove from skin and clothes. Remove dried foam with generous amounts of petroleum jelly or lanolin. Leave on for 1 hour, wash thoroughly, and repeat process until foam is removed. Do not attempt to remove dried foam with solvents.

Specifications:

ASTM C-518: R-Value = 4.9 per in. thickness. ASTM E-84: Flame Spread = 10, Smoke Density = 15

Limitations:

Cured product should not be left permanently exposed to ultraviolet light. Always paint or cover exposed surfaces. Cured product should not be exposed to temperatures above 240°F. Excessive temperatures will cause deterioration of product.

Cautions:

SEE LABEL FOR COMPLETE CAUTIONS! Keep away from heat, sparks, flames, or static electricity. Turn off sources of ignition. Vapors heavier than air may cause flash fire or ignite explosively. Ventilate work area with fresh moving air. Overexposure to vapors may cause dizziness or headache—move to fresh air. Do not puncture, expose to heat, or store can at temperatures above 120°F. Wear protective gloves, clothes, and eye protection. Use drop cloths. IRRITATES SKIN AND EYES. Avoid contact with eyes and skin. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

PART #	UPC	FORMULA	SIZE
WL1111100	0-23275-11111-0	Minimal Expanding	12 fl oz.
WL3333300	0-23275-33333-8	Triple Expanding	12 fl oz.
WL3333320	0-23275-33320-8	Triple Expanding	20 fl oz.

White Lightning® STOP GAP!®
Minimal and Triple Expanding Insulating Foam

White Lightning® Stop Gap!® one-component polyurethane foam**,** has no chemical or thermal incompatibility with and does not attack or deteriorate common plastic, rubber or building materials.

Compatibility
Examples of compatible substrates for White Lightning® Stop Gap!® one-component polyurethane foam products include:

ABS	Fiberglass	PVC
Butyl Rubber	Natural Rubber	Romex®
CPVC	Neoprene	SBR
Common Thermoplastic	NBR	XPSt
Electrical Wire Insulations	Polyethylene	
with Nylon Sheath	PEX	Aluminum
EPDM	PMMA	Brass
Epoxy	Polypropylene	Copper
EPS Foams	PSt	Steel

For more information please call or write:

White Lightning® Products | 101 Prospect Ave. NW | Cleveland, OH 44115
1-800-241-5295 Option 1 Customer Service | 1-800-241-5295 Option 2 Technical Service
www.wlcaulk.com

LOXON™ H1

One Component Low Modulus Hybrid Sealant

PRODUCT DESCRIPTION

Loxon™ H1 is a one component, low modulus, high performance, high movement, fast-curing, non-sag, gun-grade, moisture cure, hybrid sealant. It is designed for a wide range of sealing and caulking applications. After curing, Loxon™ H1 exhibits a flexible, resilient, rubber-like appearance that adheres to a wide variety of substrates. The combination of extreme flexibility (ASTM C920 Class 50) and very low modulus make this sealant excellent for properly constructed EIFS substrates. 100% extension in EIFS joints with minimal stress on bond line. Loxon™ H1 is VOC compliant in all 50 states.

APPLICATIONS

Expansion joints, vertical or horizontal, interior / exterior, above grade, joints with high movement, aluminum, vinyl and wood window frames, vinyl siding, skylights, doors, foundations, fascia, precast units, store front assemblies, panel walls, roofing, sanitary applications and parapets.

SUBSTRATES

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

SEALANT • WATERPROOFING & RESTORATION INSTITUTE

Issued to: Sherwin Williams®
Product: Loxon™ H1 Low Modulus Hybrid Sealant

C719: Pass ✔ Ext:+50% Comp:-50%

Substrate: Primed Mortar; Unprimed Glass, Aluminum *[Primer Loxon™ Porous Surface Primer was applied to mortar substrate]*

Validation Date: 10/17/17 - 10/16/22

No. 1017-LS11022 *Copyright © 2017*

SEALANT VALIDATION
www.swrionline.org

Meets or exceeds the following specifications:

- ASTM C-920, Type S, Grade NS, Class 50, Use: NT, A, M, O
- Federal Specification TT-S-00230 C, Type II, Class A, Non-Sag
- Federal Specification TT-S-001543A, Type II, Class A, Non-Sag

PRODUCT AVAILABILITY*

Sales #	SKU / REX	Color	Size
650858988	SU51H0010	White	10.1 oz Cartridge
650859002	SU51H4110	Limestone	10.1 oz Cartridge
650859010	SU51H2110	Stone	10.1 oz Cartridge
650859028	SU51H5010	Black	10.1 oz Cartridge
650859036	SU51H3510	Medium Bronze	10.1 oz Cartridge
650859044	SU51H3610	Special Bronze	10.1 oz Cartridge
650859051	SU51H4510	Aluminum Gray	10.1 oz Cartridge
650859069	SU51H2210	Tan	10.1 oz Cartridge
650859077	SU51H0110	Off-White	10.1 oz Cartridge
650858996	SU51H0043	White	20 oz Sausage
650859119	SU51H4143	Limestone	20 oz Sausage
650859127	SU51H2143	Stone	20 oz Sausage
650859135	SU51H5043	Black	20 oz Sausage
650859143	SU51H3543	Medium Bronze	20 oz Sausage
650859150	SU51H3643	Special Bronze	20 oz Sausage
650859168	SU51H4543	Aluminum Gray	20 oz Sausage
650859176	SU51H2243	Tan	20 oz Sausage
650859184	SU51H0143	Off-White	20oz Sausage
651003253	SU51H7143	Redwood Tan	20oz Sausage

* Not all products are stocked in all DSCs.

ASTM TEST DATA

Artificial weathering: no cracking via ASTM G155 xenon arc, 2,000 hrs

TABLE 1: TYPICAL UNCURED PROPERTIES*

Property	Value	Test Method/Note
Tack free Time	90 minutes	ASTM C679
Curing Time @75°F, 50% relative humidity	2-5 days depending on bead size	Varies with relative humidity
Flow, Sag or Slump	Passes	ASTM C639
Staining	Passes	ASTM C510

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

Property	Value	Test Method/Note
Hardness (Shore A)	16+/- 2	ASTM C661
Tensile Strength	140-180 psi	ASTM D412
Elongation	800-1,000%	ASTM D412
Adhesion in Peel	35 pli	ASTM C794
Stain & Color Change	Passes	ASTM C510
Ozone Resistance	Good	
Joint Movement Capability	+ or - 50%	ASTM C719
Extension	100%	ASTM C1382
UV Resistance	Good	ASTM C793

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

The physical properties of fully cured Loxon™ H1 will remain relatively unchanged over a temperature range of -40°F to 180° F.

LIMITATIONS

Not recommended for:

a) Areas subjected to continuous water immersion.
b) Joints contaminated with grease, wax, corrosion, bitumen or cement laitance.
c) Horizontal joints in floors or decks where abrasion or physical abuse is encountered.
d) Special architectural finishes without proper testing.

LOXON™ H1 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. Do not apply on glass or plastic glazing panels.

LOXON™ H1 is exceptional where color retention is critical. Check tack-free time to prevent dirt pickup.

During the cure time of LOXON™ H1, do not expose to other uncured sealants, alcohol based materials or solvents, acids, or solvent-based materials, and certain petroleum based products.

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™ H1 must not be used to seal narrow joints, fillet joints, and face nail holes.

Smearing and feathering LOXON™ H1 over joints is not recommended.

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

TECHNICAL DATA:

LOXON™ H1 exhibits excellent weatherability when exposed to ultraviolet radiation, atmospheric hydrocarbons and extremes in temperature. Joints designed to accommodate 100% total joint movement will not affect the seal or adhesion bond.

Joints properly designed and sealed will extend and compress a total of 100% of the installation width with no more than 50% movement in a single direction.

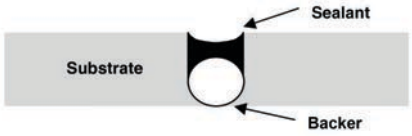
Cured sealant can be painted with emulsion or synthetic enamel paints. LOXON™ H1 will be virtually unaffected by contact with water after cure on non-porous substrates.

On porous substrates, priming is recommended if the sealant will be subjected to sporadic periods of immersion. Not intended for continuous 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™ H1 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 1-1/2" (1.50") (3.81cm) and the maximum joint depth should not exceed ½" (0.500") (12.69mm). Minimum joint width should not be less than ¼" (0.250") (0.34mm). The sealant depth should be ¼" (0.34mm) for joints ¼" in width. For joints over ¼" in width, depth should be ½ of the joint width but should not exceed ½" (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 (polyethelene 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.

When used in conjunction with EIFS systems, Loxon™ H1 should be applied to system base coat to avoid delamination of EIFS finish. Base coat must be cured, of proper depth, well bonded and sound. Some EIFS systems may require a primer. Refer to EIFS manufacturer recommendations.

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 primer PDS for details and proper use (SUPRIQD13 or SUPRIPS13).

a) Priming of masonry or other porous substrate joints with SUPRIPS13 is recommended if the joints will be subjected to intermittent immersion.

b) Some metals and non-porous surfaces may require priming with SUPRIQD13.

c) It is recommended that all surfaces be pre-tested with LOXON™ H1 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.

d) LOXON™ H1 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™ H1 sealant on the surface in question. Follow manufacturer's recommended recoat times for application of LOXON™ H1 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™ H1 sealant in a continuous operation, using a professional grade caulking gun and positive pressure adequate to properly fill and seal the joint.

TOOLING:

LOXON™ H1 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™ H1 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™ H1 sealant until it has formed a skin (thin film). Cure is dependent on temperature and humidity.

LOXON™ H1 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 24 hours and non-breathable coatings after 72 hours. Warmer, more humid conditions will allow LOXON™ H1 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

Danger. May cause an allergic skin reaction. May damage fertility. May damage the unborn child. Causes skin irritation. Causes serious eye irritation. Suspected of causing cancer. Prevention: Obtain special instructions before use. Avoid breathing dusts/vapours. Do not handle until all safety precautions have been read and understood. Wash hands thoroughly after handling. Wear protective gloves. Wear eye or face protection. Use personal protective equipment as required. Contaminated work clothing should not be allowed out of the workplace. Response: IF exposed or concerned: Get medical attention. **IF ON SKIN:** Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing. Wash contaminated clothing before reuse. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical attention. If skin irritation occurs: Get medical attention. If eye irritation persists: Get medical attention. **Storage**: Store locked up. **Disposal**: Dispose of contents and container in accordance with all local, regional, national and international regulations. **WARNING**: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **FOR INDUSTRIAL USE ONLY.** Please refer to the SDS for additional information. Do not transfer contents to other containers for storage. Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 58%

SHELF LIFE:

LOXON™ H1 sealant will exhibit a 15 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.

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™ H1 from coming into contact with oil-based sealants, uncured silicone sealants, polysulfides, or fillers that contain oil, tar or asphalt.
- LOXON™ H1 sealant will not adhere to previously applied silcone 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™ H1 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.
- 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™ H1 should **not** be used in glazing applications. Do **not** apply on glass or plastic glazing panels.

Pro Industrial™ DTM
Acrylic Semi-Gloss

B66-1150 Series

CHARACTERISTICS

Pro Industrial DTM Acrylic coating is an interior-exterior, water based, corrosion resistant acrylic coating for light to moderate industrial use. Designed for new construction or maintenance use and can be used directly over prepared substrates.

- Chemical Resistant
- Corrosion resistant
- Fast dry
- Flash rust-early rust resistance
- Suitable for use in USDA inspected facilities

Finish:	Semi-Gloss 38-48° @60°
Color:	Most colors

Recommended Spreading Rate per coat:

Wet mils:	6.0-10.0
Dry mils:	2.4-4.0
Coverage:	160-267 sq.ft. per gallon
Theoretical Coverage:	641 sq. ft. per gallon @ 1 mil dry

Approximate spreading rates are calculated on volume solids and do not include any application loss.
Note: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 6.0 mils wet, @ 50% RH:

Drying, and recoat times are temperature, humidity, and film thickness dependent.

	@50°F	@77°F	@110°F
To touch	1 hour	20 minutes	10 minutes
Tack free	2 hours	45 minutes	30 minutes
To recoat	2 hours	1 hour	1 hour

Tinting with CCE only:

Base	oz. per gallon	Strength
Extra White	0-6	SherColor
Deep Base	6-12	SherColor
Ultradeep Base	10-12	SherColor
Real Red	0-12	SherColor
Vivid Yellow	0-14	SherColor

Extra White B66W01151
(may vary by color)

V.O.C. (less exempt solvents): unreduced
less than 50 grams per litre; 0.42 lbs. per gallon

As per 40 CFR 59.406

Volume Solids:	40 ± 2%
Weight Solids:	51 ± 2%
Weight per Gallon:	10.21 lb
Flash Point:	N/A
Vehicle Type:	Acrylic
Shelf Life:	36 months, unopened

Store indoors at 40°F to 100°F.

COMPLIANCE

As of 06/16/2020, Complies with:

OTC	**Yes**
OTC Phase II	**Yes**
SCAQMD	**Yes**
CARB	**Yes**
CARB SCM 2007	**Yes**
Canada	**Yes**
LEED® v4 & v4.1 Emissions	**Yes**
LEED® v4 & v4.1 V.O.C.	**Yes**
EPD-NSF® Certification	**Yes**
MIR-Manufacturer Inventory	**No**
NSF® Certification	
MPI®	**Yes**

APPLICATION

Temperature:

minimum	50°F / 10°C
maximum	110°F / 43°C
	air, surface, and material
	At least 5°F above dew point
Relative humidity:	85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer:	Water

Airless Spray:

Pressure	1500 p.s.i.
Hose	1/4 inch I.D.
Tip	.017 - .021 inch
Filter	60 mesh

Conventional Spray:

Gun	Binks 95
Fluid Nozzle	66
Air Nozzle	63 PB
Atomization Pressure	50 p.s.i.
Fluid Pressure	10-20 p.s.i.
Reduction	Not recommended
Brush	Nylon-polyester
Roller Cover	1/4-3/8 inch woven

If specific application equipment is listed above, equivalent equipment may be substituted.

Due to this product's fast dry performance, brushing should be limited to small areas where a wet edge can be maintained

Apply paint at the recommended film thickness and spreading rate as indicated. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle.

Overspray landing on hot surfaces may adhere to these surfaces. Immediately remove overspray from hot surfaces before adhesion occurs.

SPECIFICATIONS

Steel*
2 coats Pro Industrial DTM Acrylic

Steel:
1 coat Pro Industrial Pro-Cryl Primer
or Pro Industrial DTM Primer/Finish
or Kem Bonds HS
or Zinc Clad Primer
1-2 coats Pro Industrial DTM Acrylic

Aluminum:
1-2 coats Pro Industrial DTM Acrylic

Aluminum (Water Based Primer):
1 coat Pro Industrial Pro-Cryl Primer
1-2 coats Pro Industrial DTM Acrylic

Concrete Block (CMU):
1 coat Pro Industrial Heavy Duty Blockfiller
or Loxon Acrylic Block Surfacer
1-2 coats Pro Industrial DTM Acrylic

Concrete/Masonry:
1 coat Loxon Concrete & Masonry Primer (if needed)
or Loxon Conditioner (if needed)
2 coats Pro Industrial DTM Acrylic

Drywall:
1 coat ProMar 200 Zero V.O.C. Primer
1-2 coats Pro Industrial DTM Acrylic

Galvanizing:
2 coats Pro Industrial DTM Acrylic

Pre-Finished Siding: (Baked-on finishes)
1 coat Bond-Plex Waterbased Acrylic
or DTM Bonding Primer
1-2 coats Pro Industrial DTM Acrylic

Wood, exterior:
1 coat Exterior Wood Primer
1-2 coats Pro Industrial DTM Acrylic

Wood, interior:
1 coat Premium Wall & Wood Primer
1-2 coats Pro Industrial DTM Acrylic

*Application of coating on unprimed steel may cause pinpoint rusting. Safety Colors, Deep Base, and ultradeep colors require a prime coat for maximum durability, adhesion, and corrosion protection.

Zinc Primers - Refer to the zinc technical data sheet application procedures and performance tips prior to topcoating.

continued on back

Pro Industrial™DTM
Acrylic Semi-Gloss

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Do not use hydrocarbon solvents for cleaning.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Iron & Steel - Minimum surface preparation is Hand Tool Clean per SSPC-SP2. Remove all oil and grease from surface per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Primer recommended for best performance

Aluminum - Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1.

Galvanizing - Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP16 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned.

Concrete Block - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 55°F (13°C) before filling. Use Pro industrial Heavy Duty Block Filler or Loxon Acrylic Block Surfacer. The filler must be thoroughly dry before topcoating.

Masonry - All masonry must be free of dirt, oil, grease, loose paint, mortar, masonry dust, etc. Clean per SSPC-SP13, Nace 6, ICRI No. 310.2R, CSP 1-3. Poured, troweled, or tilt-up concrete, plaster, mortar, etc. must be thoroughly cured at least 30 days at 75°F. Form release compounds and curing membranes must be removed by brush blasting. Brick must be allowed to weather for one year prior to surface preparation and painting. Prime the area the same day as cleaned. Weathered masonry and soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface. Apply one coat Loxon Conditioner, following label recommendations.

Wood - Surface must be clean, dry, and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked. Sand to remove any loose or deteriorated surface wood and to obtain a proper surface profile.

SURFACE PREPARATION

Previously Painted Surface - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Mildew- Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/ water solution.

PERFORMANCE

System Tested: (unless otherwise indicated)
Substrate: Steel
Surface Preparation: SSPC-SP10
Finish: 2 coats Pro Industrial DTM Acrylic B66W01151, 3.0 D.F.T. per coat

Adhesion:	
Method:	ASTM D4541
Result:	1436 p.s.i.
Corrosion Weathering*:	
Method:	ASTM D5894, 7 cycles
Result:	Rating 10, per ASTM D714 for Blistering. Rating 8.5 per ASTM D1654 for corrosion
Direct Impact Resistance:	
Method:	ASTM D2794
Result:	greater than 176 inch lb.
Dry Heat Resistance:	
Method:	ASTM D2485
Result:	300°F
Flexibility:	
Method:	ASTM D522, 1/8 inch mandrel
Result:	Pass
Humidity Resistance*:	
Method:	ASTM D4585, 2186 hours
Result:	Rating 10 per ASTM D714 for blistering. Rating 10 per ASTM D1654 for corrosion
Pencil Hardness:	
Method:	ASTM D3363
Result:	2H

*over Pro Industrial Pro-Cryl Primer

No painting should be done immediately after a rain or during foggy weather.
Do not paint on wet surfaces.
Check adhesion by applying a test strip to determine the readiness for painting.

SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label. Refer to the Safety Data Sheets (SDS) before use.

FOR PROFESSIONAL USE ONLY.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

HOTW 06/16/2020 B66W01151 18 35
FRC

LOXON™ H1

One Component Low Modulus Hybrid Sealant

PRODUCT DESCRIPTION

Loxon™ H1 is a one component, low modulus, high performance, high movement, fast-curing, non-sag, gun-grade, moisture cure, hybrid sealant. It is designed for a wide range of sealing and caulking applications. After curing, Loxon™ H1 exhibits a flexible, resilient, rubber-like appearance that adheres to a wide variety of substrates. The combination of extreme flexibility (ASTM C920 Class 50) and very low modulus make this sealant excellent for properly constructed EIFS substrates. 100% extension in EIFS joints with minimal stress on bond line. Loxon™ H1 is VOC compliant in all 50 states.

APPLICATIONS

Expansion joints, vertical or horizontal, interior / exterior, above grade, joints with high movement, aluminum, vinyl and wood window frames, vinyl siding, skylights, doors, foundations, fascia, precast units, store front assemblies, panel walls, roofing, sanitary applications and parapets.

SUBSTRATES

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

SEALANT • WATERPROOFING & RESTORATION INSTITUTE

Issued to: Sherwin Williams®
Product: Loxon™ H1 Low Modulus Hybrid Sealant

C719: Pass ✔ Ext:+50% Comp:-50%

Substrate: Primed Mortar; Unprimed Glass, Aluminum *[Primer Loxon™ Porous Surface Primer was applied to mortar substrate]*

Validation Date: 10/17/17 - 10/16/22

No. 1017-LS11022 *Copyright © 2017*

SEALANT VALIDATION
www.swrionline.org

Meets or exceeds the following specifications:

- ASTM C-920, Type S, Grade NS, Class 50, Use: NT, A, M, O
- Federal Specification TT-S-00230 C, Type II, Class A, Non-Sag
- Federal Specification TT-S-001543A, Type II, Class A, Non-Sag

PRODUCT AVAILABILITY*

Sales #	SKU / REX	Color	Size
650858988	SU51H0010	White	10.1 oz Cartridge
650859002	SU51H4110	Limestone	10.1 oz Cartridge
650859010	SU51H2110	Stone	10.1 oz Cartridge
650859028	SU51H5010	Black	10.1 oz Cartridge
650859036	SU51H3510	Medium Bronze	10.1 oz Cartridge
650859044	SU51H3610	Special Bronze	10.1 oz Cartridge
650859051	SU51H4510	Aluminum Gray	10.1 oz Cartridge
650859069	SU51H2210	Tan	10.1 oz Cartridge
650859077	SU51H0110	Off-White	10.1 oz Cartridge
650858996	SU51H0043	White	20 oz Sausage
650859119	SU51H4143	Limestone	20 oz Sausage
650859127	SU51H2143	Stone	20 oz Sausage
650859135	SU51H5043	Black	20 oz Sausage
650859143	SU51H3543	Medium Bronze	20 oz Sausage
650859150	SU51H3643	Special Bronze	20 oz Sausage
650859168	SU51H4543	Aluminum Gray	20 oz Sausage
650859176	SU51H2243	Tan	20 oz Sausage
650859184	SU51H0143	Off-White	20oz Sausage
651003253	SU51H7143	Redwood Tan	20oz Sausage

* Not all products are stocked in all DSCs.

ASTM TEST DATA

Artificial weathering: no cracking via ASTM G155 xenon arc, 2,000 hrs

TABLE 1: TYPICAL UNCURED PROPERTIES*

Property	Value	Test Method/Note
Tack free Time	90 minutes	ASTM C679
Curing Time @75°F, 50% relative humidity	2-5 days depending on bead size	Varies with relative humidity
Flow, Sag or Slump	Passes	ASTM C639
Staining	Passes	ASTM C510

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

Property	Value	Test Method/Note
Hardness (Shore A)	16+/- 2	ASTM C661
Tensile Strength	140-180 psi	ASTM D412
Elongation	800-1,000%	ASTM D412
Adhesion in Peel	35 pli	ASTM C794
Stain & Color Change	Passes	ASTM C510
Ozone Resistance	Good	
Joint Movement Capability	+ or - 50%	ASTM C719
Extension	100%	ASTM C1382
UV Resistance	Good	ASTM C793

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

The physical properties of fully cured Loxon™ H1 will remain relatively unchanged over a temperature range of -40°F to 180° F.

LIMITATIONS

Not recommended for:

a) Areas subjected to continuous water immersion.
b) Joints contaminated with grease, wax, corrosion, bitumen or cement laitance.
c) Horizontal joints in floors or decks where abrasion or physical abuse is encountered.
d) Special architectural finishes without proper testing.

LOXON™ H1 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. Do not apply on glass or plastic glazing panels.

LOXON™ H1 is exceptional where color retention is critical. Check tack-free time to prevent dirt pickup.

During the cure time of LOXON™ H1, do not expose to other uncured sealants, alcohol based materials or solvents, acids, or solvent-based materials, and certain petroleum based products.

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™ H1 must not be used to seal narrow joints, fillet joints, and face nail holes.

Smearing and feathering LOXON™ H1 over joints is not recommended.

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

TECHNICAL DATA:

LOXON™ H1 exhibits excellent weatherability when exposed to ultraviolet radiation, atmospheric hydrocarbons and extremes in temperature. Joints designed to accommodate 100% total joint movement will not affect the seal or adhesion bond.

Joints properly designed and sealed will extend and compress a total of 100% of the installation width with no more than 50% movement in a single direction.

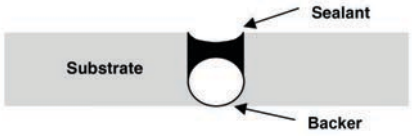
Cured sealant can be painted with emulsion or synthetic enamel paints. LOXON™ H1 will be virtually unaffected by contact with water after cure on non-porous substrates.

On porous substrates, priming is recommended if the sealant will be subjected to sporadic periods of immersion. Not intended for continuous 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™ H1 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 1-1/2" (1.50") (3.81cm) and the maximum joint depth should not exceed ½" (0.500") (12.69mm). Minimum joint width should not be less than ¼" (0.250") (0.34mm). The sealant depth should be ¼" (0.34mm) for joints ¼" in width. For joints over ¼" in width, depth should be ½ of the joint width but should not exceed ½" (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 (polyethelene 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.

When used in conjunction with EIFS systems, Loxon™ H1 should be applied to system base coat to avoid delamination of EIFS finish. Base coat must be cured, of proper depth, well bonded and sound. Some EIFS systems may require a primer. Refer to EIFS manufacturer recommendations.

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 primer PDS for details and proper use (SUPRIQD13 or SUPRIPS13).

a) Priming of masonry or other porous substrate joints with SUPRIPS13 is recommended if the joints will be subjected to intermittent immersion.

b) Some metals and non-porous surfaces may require priming with SUPRIQD13.

c) It is recommended that all surfaces be pre-tested with LOXON™ H1 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.

d) LOXON™ H1 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™ H1 sealant on the surface in question. Follow manufacturer's recommended recoat times for application of LOXON™ H1 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™ H1 sealant in a continuous operation, using a professional grade caulking gun and positive pressure adequate to properly fill and seal the joint.

TOOLING:

LOXON™ H1 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™ H1 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™ H1 sealant until it has formed a skin (thin film). Cure is dependent on temperature and humidity.

LOXON™ H1 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 24 hours and non-breathable coatings after 72 hours. Warmer, more humid conditions will allow LOXON™ H1 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

Danger. May cause an allergic skin reaction. May damage fertility. May damage the unborn child. Causes skin irritation. Causes serious eye irritation. Suspected of causing cancer. Prevention: Obtain special instructions before use. Avoid breathing dusts/vapours. Do not handle until all safety precautions have been read and understood. Wash hands thoroughly after handling. Wear protective gloves. Wear eye or face protection. Use personal protective equipment as required. Contaminated work clothing should not be allowed out of the workplace. Response: IF exposed or concerned: Get medical attention. **IF ON SKIN:** Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing. Wash contaminated clothing before reuse. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical attention. If skin irritation occurs: Get medical attention. If eye irritation persists: Get medical attention. **Storage**: Store locked up. **Disposal**: Dispose of contents and container in accordance with all local, regional, national and international regulations. **WARNING**: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **FOR INDUSTRIAL USE ONLY.** Please refer to the SDS for additional information. Do not transfer contents to other containers for storage. Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 58%

SHELF LIFE:

LOXON™ H1 sealant will exhibit a 15 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.

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™ H1 from coming into contact with oil-based sealants, uncured silicone sealants, polysulfides, or fillers that contain oil, tar or asphalt.
- LOXON™ H1 sealant will not adhere to previously applied silcone 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™ H1 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.
- 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™ H1 should **not** be used in glazing applications. Do **not** apply on glass or plastic glazing panels.

Pro Industrial™ DTM
Acrylic Eg-Shel

B66-1250 Series

CHARACTERISTICS

Pro Industrial DTM Acrylic coating is an interior-exterior, water based, corrosion resistant acrylic coating for light to moderate industrial use. Designed for new construction or maintenance use and can be used directly over prepared substrates.

- Chemical Resistant
- Corrosion resistant
- Fast dry
- Flash rust-early rust resistance
- Suitable for use in USDA inspected facilities

Finish:	Eg-Shel 10-20° @60°
Color:	Most colors

Recommended Spreading Rate per coat:

Wet mils:	6.0-9.5
Dry mils:	2.5-4.0
Coverage:	168-270 sq.ft. per gallon
Theoretical Coverage:	673 sq. ft. per gallon @ 1 mil dry

Approximate spreading rates are calculated on volume solids and do not include any application loss.
Note: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 6.0 mils wet, @ 50% RH:

Drying, and recoat times are temperature, humidity, and film thickness dependent.

	@50°F	@77°F	@110°F
To touch	1 hour	20 minutes	10 minutes
Tack free	2 hours	45 minutes	30 minutes
To recoat	2 hours	1 hour	1 hour

Tinting with CCE only:

Base	oz. per gallon	Strength
Extra White	0-6	SherColor
Deep Base	6-12	SherColor
Ultradeep Base	10-12	SherColor
Real Red	0-12	SherColor
Vivid Yellow	0-14	SherColor

Extra White B66W01251
(may vary by color)

V.O.C. (less exempt solvents): unreduced
less than 50 grams per litre; 0.42 lbs. per gallon

As per 40 CFR 59.406

Volume Solids:	42 ± 2%
Weight Solids:	55 ± 2%
Weight per Gallon:	10.61 lb
Flash Point:	N/A
Vehicle Type:	Acrylic
Shelf Life:	36 months, unopened

Store indoors at 40°F to 100°F.

COMPLIANCE

As of 06/16/2020, Complies with:

OTC	**Yes**
OTC Phase II	**Yes**
SCAQMD	**Yes**
CARB	**Yes**
CARB SCM 2007	**Yes**
Canada	**Yes**
LEED® v4 & v4.1 Emissions	**Yes**
LEED® v4 & v4.1 V.O.C.	**Yes**
EPD-NSF® Certification	**Yes**
MIR-Manufacturer Inventory	**No**
NSF® Certification	
MPI®	**Yes**

APPLICATION

Temperature:

minimum	50°F / 10°C
maximum	110°F / 43°C
	air, surface, and material
	At least 5°F above dew point
Relative humidity:	85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer:	Water

Airless Spray:

Pressure	1500 p.s.i.
Hose	1/4 inch I.D.
Tip	.017 - .021 inch
Filter	60 mesh

Conventional Spray:

Gun	Binks 95
Fluid Nozzle	66
Air Nozzle	63 PB
Atomization Pressure	50 p.s.i.
Fluid Pressure	10-20 p.s.i.
Reduction	Not recommended
Brush	Nylon-polyester
Roller Cover	1/4-3/8 inch woven

If specific application equipment is listed above, equivalent equipment may be substituted.

Apply paint at the recommended film thickness and spreading rate as indicated. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle.

Overspray landing on hot surfaces may adhere to these surfaces. Immediately remove overspray from hot surfaces before adhesion occurs.

SPECIFICATIONS

Steel*
2 coats Pro Industrial DTM Acrylic

Steel:
1 coat Pro Industrial Pro-Cryl Primer
or Pro Industrial DTM Primer/Finish
or Kem Bonds HS
or Zinc Clad Primer
1-2 coats Pro Industrial DTM Acrylic

Aluminum:
1-2 coats Pro Industrial DTM Acrylic

Aluminum (Water Based Primer):
1 coat Pro Industrial Pro-Cryl Primer
1-2 coats Pro Industrial DTM Acrylic

Concrete Block (CMU):
1 coat Pro Industrial Heavy Duty Blockfiller
or Loxon Acrylic Block Surfacer
1-2 coats Pro Industrial DTM Acrylic

Concrete/Masonry:
1 coat Loxon Concrete & Masonry Primer (if needed)
or Loxon Conditioner (if needed)
2 coats Pro Industrial DTM Acrylic

Drywall:
1 coat ProMar 200 Zero V.O.C. Primer
1-2 coats Pro Industrial DTM Acrylic

Galvanizing:
2 coats Pro Industrial DTM Acrylic

Pre-Finished Siding: (Baked-on finishes)
1 coat Bond-Plex Waterbased Acrylic
or DTM Bonding Primer
1-2 coats Pro Industrial DTM Acrylic

Wood, exterior:
1 coat Exterior Wood Primer
1-2 coats Pro Industrial DTM Acrylic

Wood, interior:
1 coat Premium Wall & Wood Primer
1-2 coats Pro Industrial DTM Acrylic

*Application of coating on unprimed steel may cause pinpoint rusting. Safety Colors, Deep Base, and ultradeep colors require a prime coat for maximum durability, adhesion, and corrosion protection.

Zinc Primers - Refer to the zinc technical data sheet application procedures and performance tips prior to topcoating.

continued on back

Pro Industrial™DTM

Acrylic Eg-Shel

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Do not use hydrocarbon solvents for cleaning.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Iron & Steel - Minimum surface preparation is Hand Tool Clean per SSPC-SP2. Remove all oil and grease from surface per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Primer recommended for best performance

Aluminum - Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1.

Galvanizing - Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP16 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned.

Concrete Block - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 55°F (13°C) before filling. Use Pro industrial Heavy Duty Block Filler or Loxon Acrylic Block Surfacer. The filler must be thoroughly dry before topcoating.

Masonry - All masonry must be free of dirt, oil, grease, loose paint, mortar, masonry dust, etc. Clean per SSPC-SP13, Nace 6, ICRI No. 310.2R, CSP 1-3. Poured, troweled, or tilt-up concrete, plaster, mortar, etc. must be thoroughly cured at least 30 days at 75°F. Form release compounds and curing membranes must be removed by brush blasting. Brick must be allowed to weather for one year prior to surface preparation and painting. Prime the area the same day as cleaned. Weathered masonry and soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface. Apply one coat Loxon Conditioner, following label recommendations.

Wood - Surface must be clean, dry, and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked. Sand to remove any loose or deteriorated surface wood and to obtain a proper surface profile.

SURFACE PREPARATION

Previously Painted Surface - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Mildew- Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/ water solution.

PERFORMANCE

System Tested: (unless otherwise indicated)
Substrate: Steel
Surface Preparation: SSPC-SP10
Finish: 2 coats Pro Industrial DTM Acrylic B66W01251, 3.0 D.F.T. per coat

Adhesion:	
Method:	ASTM D4541
Result:	1365 p.s.i.
Corrosion Weathering*:	
Method:	ASTM D5894, 7 cycles
Result:	Rating 10, per ASTM D714 for Blistering. Rating 10 per ASTM D1654 for corrosion
Direct Impact Resistance:	
Method:	ASTM D2794
Result:	greater than 176 inch lb.
Dry Heat Resistance:	
Method:	ASTM D2485
Result:	300°F
Flexibility:	
Method:	ASTM D522, 1/8 inch mandrel
Result:	Pass
Humidity Resistance*:	
Method:	ASTM D4585, 2186 hours
Result:	Rating 10 per ASTM D714 for blistering. Rating 10 per ASTM D1654 for corrosion
Pencil Hardness:	
Method:	ASTM D3363
Result:	3.5B

*over Pro Industrial Pro-Cryl Primer

No painting should be done immediately after a rain or during foggy weather.
Do not paint on wet surfaces.
Check adhesion by applying a test strip to determine the readiness for painting.

SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label. Refer to the Safety Data Sheets (SDS) before use.

FOR PROFESSIONAL USE ONLY.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

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FRC

HOUSING AUTHORITY OF THE CITY OF LAKELAND

SECTION 3
AND
MINORITY AND WOMEN BUSINESS ENTERPRISES
POLICY

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Part I: Policy, Purpose, and Definitions

A. Introduction and Summary

Section 3 of the Housing and Urban Development Act of 1968, as amended (12 U.S.C. 1701, et seq.), is a legislative directive for providing preference for low- and very low-income residents of the local community and those businesses which employ these persons, and for new employment, training and contracting opportunities with projects sponsored or funded by the U.S. Department of Housing and Urban Development. For purposes of complying with the Section 3 legislative directive, the Housing Authority of the City of Lakeland (LHA) has established a policy whereby any contactor that transacts business with LHA must meet the requirements of LHA's Section 3 and Minority and Women Business Enterprise (M/WBE) policy as outlined in this document.

This Section 3 and M/WBE policy applies to all contracts with a dollar value of $100,000 or more. In that regard, contractors having contracts awarded by LHA shall:

1) offer Section 3 employment, training and employment skill building programs for eligible Section 3 residents and

2) provide Section 3 business concerns, minority and women business enterprises with the maximum opportunity to participate in the performance of contracts.

LHA will make a good faith effort to assist with the recruitment of as many Section 3 eligible residents and business concerns as possible for employment and/or instructional/training positions and contract opportunities, in an effort to provide economic opportunities for local residents and business concerns.

This policy also serves to fulfill two objectives of LHA:

1) outline the Section 3 and M/WBE policy and program compliance measures of LHA and

2) provide program definitions, requirements, required forms, information on program assistance provided by LHA, and other information related to LHA's employment, training and contracting policy.

This Section 3 and M/WBE policy replaces all previous policies and is effective as of the LHA Board of Commissioners approval date.

B. Purpose of Section 3

The Section 3 legislation was designed to encourage recipients of funding from the U.S. Department of Housing and Urban Development to direct new employment and contracting opportunities to low- and very low-income residents, and the businesses that employ these persons, within their communities regardless of race and/or gender.

The desired result of the Section 3 legislation and this Section 3 and M/WBE policy is to have a positive impact on current unemployment and/or underemployment rates; increase economic opportunities of business concerns; and promote economic recovery in the local community.

Section 3 is a starting point to obtain job training, employment and contracting opportunities for individuals and small businesses in order to help them achieve economic advancement and self-sufficiency. Its most obvious benefit is to increase the incomes of low- and very low-income persons by making more employment and job training opportunities available to them. By helping members of low- and very low-income households improve their skills, they become more employable. When low- and very low-income persons obtain jobs through Section 3, their earnings may increase and some families may move above poverty thresholds. This method of job creation results in lower unemployment rates and less reliance on public services.

By providing job training opportunities, Section 3 can also enhance long-term employment prospects of low- and very low-income persons. Individuals that receive training about acceptable job behavior and work performance are more likely to maintain their employment.

C. Definitions

Section 3 funding thresholds: the minimum dollar amounts that trigger Section 3 requirements. The requirements of Section 3 apply to LHA and contractors doing business with LHA in the following manner:

All contactors (or subcontractors) receiving contracts valued at $100,000 or more to complete projects involving housing construction, rehabilitation, or other public construction are required to comply with the requirements of Section 3.

There are no thresholds for Public Housing Authorities (PHA). The requirements of Section 3 apply to all PHAs regardless of the amount of assistance received from the U.S. Department of Housing and Urban Development.

All contracts or subcontracts funded with Public and Indian Housing assistance, regardless of the dollar amount or type of contract, are subject to the requirements of Section 3.

Section 3 project: a project that involves the new construction or rehabilitation of affordable housing (including reduction of lead-based paint hazards), or other public construction such as street repair, sewage line repair or installation, updates to building facades, etc.

Section 3 Residents: may consist of the following groups:

1. Residents of Public and Indian Housing; or
2. Individuals who reside in the metropolitan area or non-metropolitan county where Section 3 covered assistance is expended and whose total household income is within the area's median income limits for low- and very low-income households as defined by the U.S. Department of Housing and Urban Development.

In accordance with the regulation, residents seeking Section 3 preference shall certify or submit evidence to the contractor or subcontractor verifying that they meet one of the definitions provided above. Examples of documentation include: proof of residency in a public housing community, proof of federal subsidy for housing, food stamps and/or unemployment benefits.

Note: LHA has elected to categorize Section 3 residents into four categories. The categories are:

Category 1: Residents of the LHA housing site where the work is being performed

Category 2: Residents of any other LHA housing site

Category 3: Participants in the LHA Youthbuild Program

Category 4: Other Low and Very Low-Income Persons

Section 3 Business Concerns are:

1) Businesses that are 51% or more owned by Section 3 residents; or
2) Businesses whose permanent, full-time employees include persons, at least 30% of whom are currently Section 3 residents or who within three years of the date of first employment with the firm were Section 3 Residents; or
3) Businesses that provide evidence of a commitment to subcontract 25% or more of all subcontract amounts to businesses that meet the qualifications listed in 1 and 2 above.

In accordance with the regulation, business owners seeking Section 3 preference shall certify or submit evidence to the contractor, subcontractor, or LHA verifying that they meet the definitions provided above. Examples of appropriate documentation include payroll data or other relevant business information.

Section 3 economic opportunities: are new employment, training or contracting opportunities resulting from the new project that is receiving direct or indirect funding from HUD.

1) **New Employment** – any new position created to complete the work required by the new project.
2) **New Contracting** – any new contracting opportunity created to complete the work required by the new project.
3) **New Training** – any new training opportunity created as a result of the new project.

Any employment resulting from these expenditures, including administration, management, clerical support, and construction is subject to compliance with Section 3. Examples of employment opportunities include appliance repair, bookkeeping, printing, bricklaying, carpentry, carpet installation, cement/masonry, data processing, demolition, drywall, electrical, fencing, surveying, heating, janitorial, landscaping, machine operation, manufacturing, painting, tile work, accounting, payroll, photography, plastering, plumbing, transportation, welding, word processing, etc.

Section 3 Priority: For Training and Employment, the following persons receive priority under Section 3:

1)Persons in public and assisted housing; or

2)Persons residing in the area where the U.S. Department of Housing and Urban Development financial assistance is being spent; or

3)Participants in LHA/HUD Youthbuild programs; or

4)Homeless persons.

For Contracts, the following businesses receive priority under Section 3.

1) Businesses that meet the definition of a Section 3 business concern.

New Hire: a full-time employee for a new permanent, temporary, or seasonal position that is created during the expenditure of Section 3 covered financial assistance. For Section 3 projects, contractors must, to the greatest extent feasible, ensure that at least 30% of new hires are Section 3 residents.

Contractor: Any business or entity that contracts with LHA for the performance of work generated by the expenditure of Section 3 covered assistance or performing work in connection with a Section 3 covered project.

Subcontractor: Any business or entity (other than a person that is an employee of the contractor) that has a contract with a contractor to undertake a portion of the contractor's obligation for the performance of work generated by the expenditure of Section 3 covered assistance or arising in connection with a Section 3 covered project.

Core Employee: Any person(s) listed and verified as employed with the contractor or company prior to the execution date of the contract with LHA.

Minority Business Enterprise (MBE): A business enterprise that is 51% or more owned, controlled and actively operated by one or more persons who are defined as a minority or classified as part of a socially and economically disadvantaged group. Such socially disadvantaged persons include African-Americans, Hispanic Americans, Native Americans, Eskimos, Aleuts, Hasidic Jewish Americans, Asian Pacific Americans and Asian Indian Americans.

Women Business Enterprise (WBE): A business enterprise that is 51% or more owned, controlled and actively operated by one or more women.

Low Income: The term "low-income" is used in the Section 3 regulation to include both low- and very low-income individuals.

1) **Low Income** – total household income at 80% or below the median income of that area.

2) **Very Low Income** – total household income at 50% or below the median income of that area.

Section 3 service area: the geographical area where the persons benefiting from the Section 3 covered project resides. The Section 3 service area shall not extend beyond Polk County, Florida.

Metropolitan Area: a metropolitan statistical area (MSA).

Non-metropolitan County: any county outside of a metropolitan area.

Part II. Section 3 Policy Statement

Section 3 of the Housing and Urban Development Act of 1968, as amended (12 U.S.C. 1701, et seq.), requires the LHA to ensure that employment, economic and business opportunities generated by financial assistance received from the U.S. Department of Housing and Urban Development are directed to public housing residents and other low income persons, particularly recipients of government housing assistance and small business concerns that provide economic opportunities for low and very low income persons.

By Resolution 12-1341, approved by the LHA Board of Commissioners, LHA hereby reaffirms its commitment of ensuring that all contractors and any tier subcontractors that are awarded a contract of $100,000 or more by LHA for work generated through the expenditure of U.S. Department of Housing and Urban Development or LHA funding shall take all necessary and reasonable steps to provide meaningful, full-time employment and training opportunities for Section 3 residents. It is further reaffirmed that all contractors and any tier subcontractors that are awarded a contract of $100,000 or more by LHA for work generated through the expenditure of U.S. Department of Housing and Urban Development funding shall take all necessary and reasonable steps to provide contracting opportunities for Section 3 business concerns.

In response to any Request for Proposals (RFP), Request for Qualifications (RFQ) or Invitation for Bids (IFB), LHA shall require the submission of a Section 3 Plan, roster of Core Employees, and certification that the respondent will comply with the requirements of the Section 3 legislation and this policy.

LHA, in accordance with applicable laws and regulations, has established employment and training requirements that contractors and subcontractors are expected to meet in order to comply with Section 3 requirements. **LHA's Section 3 requirements are:**

1) thirty percent (30%) of any new hires for the term of the contract shall be Section 3 eligible workers;

2) ten percent (10%) of the value of the contract for construction work shall be awarded to Section 3 eligible business concerns; and

3) three percent (3%) of the value of the contact for non-construction work shall be awarded to Section 3 eligible business concerns.

It is the contractor's responsibility to implement progressive efforts to attain Section 3 compliance. Failure to attain Section 3 compliance in accordance with their contract shall subject the contractor to penalties including, but not limited to, the withholding of payments (until such time as compliance is obtained).

Section 3 Hiring Preferences: Contractors shall adhere to the following order of priority for employment purposes:

Category 1: Residents of the LHA housing site where the work is being performed

Category 2: Residents of any other LHA housing site

Category 3: Participants in the LHA Youthbuild Program

Category 4: Other Low and Very Low-Income Persons

Section 3 Contracting Preferences: Contractors and any tier subcontractors shall direct 10% of the dollar value of the contract to Section 3 business concerns for construction contracts and 3% for non-construction contracts in the following order of priority:

Category 1: Business concerns that are 51% or more owned by Section 3 residents of the LHA housing property for which the Section 3 covered assistance is expended.

Category 2: Business concerns that are 51% or more owned by Section 3 residents of another LHA housing property.

Category 3: Business concerns whose permanent full-time workforce includes persons, at least 30% of whom are currently Section 3 residents or who within three years of the date of first employment with the firm were Section 3 residents.

Category 4: Business concerns that provide evidence of a commitment to subcontract 25% or more of all subcontracts to businesses that meet the qualifications listed in 1, 2 or 3 above.

Section 3 business concerns seeking a contract or subcontract shall be responsible for submitting evidence, if requested, to demonstrate to the satisfaction of the contracting party that the business concern is responsible and has the ability to perform successfully under the terms and conditions of the proposed contract.

Incorporating Section 3 clauses into covered solicitations and contracts
The Housing and Urban Development Act of 1968 provides language about the Section 3 requirement that must be included in all contracts issued for HUD funded activities. This mandatory Section 3 contract clause can be found at 24 CFR Part 135.38. Covered contracts described at 24 CFR Part 135.3(a) include developments, operating and modernization assistance. A copy of the mandatory language is provided in the Appendix C.

Contractors must incorporate and enforce the provision of the Section 3 policy and numerical requirements in any and all tier subcontracts. Requirements relative to employment and contracting with Section 3 residents and business concerns shall not apply to contracts with a dollar value less than $100,000 or contracts for the purchase of supplies and materials unless the contract for materials includes installation.

Part III. Minority and Women Business Enterprises Policy Statement

Consistent with Presidential Executive Orders 11625, 12138, and 12432, and as promulgated in 24 CFR Part 85 and LHA Board of Commissioners Resolution 12-1341, LHA hereby modifies the numerical requirements relative to contracting with M/WBE and reaffirms its commitment of ensuring that all contractors and any tier

subcontractors that are awarded a contract with a dollar value of $100,000 or more for work generated through the expenditure of U.S. Department of Housing and Urban Development funding shall take all necessary and reasonable steps to provide M/WBEs with the maximum opportunity to participate in the performance of contracts awarded by LHA.

LHA's M/WBE requirement is:

1) thirty percent (30%) of the dollar value of the contract will be awarded to MBEs and

2) five percent (5%) of the dollar value of the contract will be awarded to WBEs.

This policy is written to comply with the legislative requirements and the LHA Board of Commissioners resolution with the intent of obtaining a reasonable level of success in the utilization of eligible businesses by contractors performing work with LHA under contracts partially or wholly funded with U.S. Department of Housing and Urban Development funds. LHA shall review and consider a contractor's potential for success in meeting these requirements prior to acting on any proposed contract award.

In response to any Request for Proposals (RFP), Request for Qualifications (RFQ) or Invitation for Bids (IFB), LHA shall require the submission of evidence and certification that the respondent will comply with the requirements of this policy.

Contractors must incorporate and enforce the provision of the M/WBE policy and numerical requirements in any and all tier subcontracts. Requirements relative to contracting with M/WBEs shall not apply to contracts with a dollar value less than $100,000 or contracts where the contactor is not subcontracting for any work, materials, supplies, services, etc., or when the sole source or specified items are not available from M/WBEs.

Part IV. Contractor Responsibilities

A. General Statement of Contractor Responsibilities

Each contractor entering into a contractual agreement with the LHA is required to comply with the requirements of Section 3 for **new** employment, training or contracting opportunities resulting from the expenditure of covered funding. The responsibility includes the following:

1) Implementing procedures to notify Section 3 residents and business concerns about training, employment, and contracting opportunities generated by the LHA project;

2) Notifying potential subcontractors working on the LHA project of their respective responsibilities;

3) Incorporating the Section 3 clause into all subcontracts;

4) Facilitating the training and employment of Section 3 residents and the award of contracts to Section 3 business concerns;

5) Assisting and actively cooperating with LHA in making subcontractors comply;

6) Refraining from entering into contracts with subcontractors that are in violation of Section 3 regulations;

7) Documenting actions taken to comply with the Section 3 regulation; and

8) Submitting Section 3 reports in accordance with LHA contractual requirements.

LHA will:

1) Inform contractors of the requirements of the Section 3 regulation;

2) Assist contractors and their subcontractors with achieving compliance;

3) Monitor contractor's performance with respect to meeting the requirements of Section 3; and

4) Report to the U.S. Department of Housing and Urban Development on the cumulative Section 3 activities taking place within our jurisdiction on an annual basis.

B. Notification to Section 3 Residents and Business Concerns of Opportunities

If a contractor or subcontractor has the need to hire new persons to complete the Section 3 covered work or needs to subcontract portions of the work to another business, they are required to direct the newly created employment and/or business opportunity to Section 3 residents and business concerns. This objective can be achieved by implementing procedures to notify Section 3 residents and business concerns of the opportunities. In other words, the contractor or subcontractor must develop ways to inform and recruit Section 3 residents and business concerns.

Contractor or subcontractors may inform Section 3 residents and business concerns about available training and job opportunities by:

1. Partnering or entering into contacting agreements with public housing resident organizations (such as Lakeland Housing Authority Resident Advisory Association), local community development and employment agencies (such as Polk Works);
2. Distributing flyers in the neighborhood surrounding the project;
3. Posting signs in strategic locations in neighborhoods where Section 3 residents and business concerns reside; and
4. Placing ads in local newspapers.

All of the above options are examples of procedures contractors and subcontractors may utilize to notify Section 3 residents and business concerns of employment, training or contracting opportunities. More examples of outreach efforts are provided below and in Appendices A and B.

C. Recruiting Section 3 Residents and Business Concerns

Contractors or businesses can recruit Section 3 residents and business concerns in the following locations:

1) LHA public housing developments and
2) The neighborhoods surrounding the project site.

Contractors or businesses may inform residents and business concerns about available training and job opportunities by:

1) Contacting LHA resident organizations, Polk Works, and other local community development and employment agencies;
2) Distributing flyers;
3) Posting signs; and
4) Placing ads in local newspapers.

D. Notifying Potential Subcontractors of Contractual Responsibilities

All contractors are required to ensure their own compliance **and** the compliance of their subcontractors with the Section 3 regulations, as outlined at 24 CFR Part 135.32. Contractors can notify their subcontractors of their respective responsibilities for compliance with the requirements of the Section 3 regulation by the inclusion of the mandatory Section 3 language in each subcontract for work on a Section 3 covered project. The mandatory Section 3 language advises the subcontractor that if they have the need to hire new persons to complete the Section 3 covered contract or needs to subcontract portions of the work to another business, they are required to direct their newly created employment and/or subcontracting opportunities to Section 3 residents and business concerns, if at all possible. The same numerical goals, i.e., 30% of new hires, 10% of construction contracts, and 3% of non-construction contracts, apply to all subcontractors.

In addition, the subcontractor must notify the contractor about their efforts to comply with Section 3 and submit any required documentation. The documentation required includes details regarding the subcontractors efforts to recruit Section 3 residents and/or business concerns, if they fail to meet their contract goals for Section 3 compliance.

E. Facilitation of Training for Eligible Residents

All contractors and their respective subcontractors are required to comply with the requirements of Section 3 for training opportunities resulting from the expenditure of covered funding. The responsibility includes implementing procedures to notify Section 3 residents about training opportunities generated by Section 3 covered assistance. A list of examples of efforts to provide training opportunities for Section 3 residents is provided in Appendix A.

F. Facilitation of Contract Awards to Section 3 Business Concerns

All contractors and their respective subcontractors must comply with the requirements of Section 3 for contracting opportunities resulting from the expenditure of covered funding. The responsibility includes implementing procedures to notify Section 3 business concerns about contracting opportunities generated by Section 3 covered assistance. A list of examples of efforts to provide contracting opportunities for Section 3 business concerns is provided in Appendix B.

G. Cooperation with LHA

All contractors and their respective subcontractors are strongly encouraged to cooperate with the LHA. LHA is charged with ensuring compliance with the requirements of Section 3. Cooperation with LHA enhances a contractor's chances of continuing to receive contracts for future projects. Non-compliance with the requirements of Section 3 may jeopardize future contracting opportunities with LHA and other HUD sponsored projects.

Contractor Violation of Section 3 Regulations

The LHA will refrain from entering into contracts with contractors or subcontractors that have a previous history of violating the regulations of Section 3. Repeated violations of the Section 3 regulation may jeopardize future contracting opportunities with LHA and other U.S. Department of Housing and Urban Development sponsored projects.

Monitoring and Documentation of Compliance

All contractors shall track the Section 3 compliance efforts of their respective subcontractors. Monitoring compliance with Section 3 regulations consists of documentation of actions taken by subcontractors to achieve the goals specified in their contracts for employment, training and contracting, and the results of actions taken and any impediments encountered.

All contractors shall maintain records of job vacancies, solicitation for bids or proposals, selection materials, and contract documents (including scope of work and contract amount), in accordance with federal or state procurement laws and regulations.

It is the contractor's responsibility to implement progressive efforts to attain Section 3 compliance. Failure to attain Section 3 compliance in accordance with their contract shall subject the contractor to penalties including, but not limited to, the withholding of payments (until such time as compliance is obtained).

Non-Compliance

All contractors that fail to meet the numerical goals of the Section 3 program bear the burden of demonstrating why it was not possible. Contractors must submit documentation or justification that describes the efforts that were taken by the contractor and/or their respective subcontractors, barriers encountered, and other relevant information that supports a good faith effort to achieve the numerical goals. Contractors should maintain records of job vacancies, solicitation for bids or proposals, selection materials, and contract documents (including scope of work and contract amount), in accordance with federal or state procurement laws and regulations. The justifications will allow LHA to make a determination regarding compliance or the failure to achieve the goals of the contractor's Section 3 plan.

Complaints

There is a complaint process for contractors that are suspected of Section 3 violations. Section 3 residents, businesses, or a representative for either may a file a complaint with LHA if it seems a contractor or their subcontractor is violating or not in compliance with the Section 3 requirements for a HUD funded project. Contractors are encouraged to try

and resolve complaints prior to the compliant being submitted to HUD or LHA whenever possible.

Examples of violations that will generate complaints from Section 3 residents, Section 3 business concerns or members of the general public may include but are not limited to the following:

Violation: Improper documentation of certification as a Section 3 resident.
Solution: Obtain a copy of documentation as a Section 3 resident from a local housing authority or obtain a copy of certified payroll and proof of residency.

Violation: The contractor did not properly notify Section 3 residents of a new employment opportunity.
Solution: The contractor may be required to re-advertise the employment opportunity.

Violation: The contractor did not give Section 3 business concerns enough time to properly respond to a contracting opportunity (such as a Request for Proposals for construction of stairways or installation of electrical work).
Solution: The contractor may be required to extend the time period for all businesses to respond to the Request for Proposals.

Violation: The contractor has not awarded enough contracts to Section 3 business concerns in order to meet the Section 3 goals specified in its contract.
Solution: Inform the contractor of ways to find and/or recruit Section 3 business concerns and allow for additional time for the contractor to comply with Section 3.
Solution: The contractor can use creative methods to extend contracting or subcontracting opportunities to Section 3 business concerns by breaking down a trade into individual task such as installation of screens and/or windows; installation of handicap rails, etc.

The cure period for each of the above listed sample violations will be determined at the discretion of LHA. The standard cure period is usually thirty (30) days or before LHA grants approval of the next request for payment submitted by the violating party or parties. LHA may grant more time for the cure period. LHA will review violations on an individual or "case by case" basis.

Part V. Data Collection and Required Reporting Forms

Data Collection

All contractors or businesses procured by the LHA shall submit written reports of their compliance efforts on a monthly basis. Some examples of monthly reporting forms include the following:

Section 3 and MWBE Contracting Compliance Summary Reporting Form – Provides a list of all Section 3, DBE and MWBE subcontractors and suppliers utilized on the contractor's contract with the LHA to date. Contactors shall provide LHA with copies of all subcontracts with a dollar value of $100,000 or more. A copy of this report is provided in Appendix D. This form also includes instructions for completion.

Additional reports and forms contractors and subcontractors are required to provide include the following:

Section 3 Man Hour Report Form – Used to track the number of Section 3 residents hired by a contractor or subcontractor. The name and address of all Section 3 employees performing work during the respective payroll period must be listed on this form. This form must be signed by an authorized representative of the contractor or subcontractor. A copy of this form is provided in Appendix E. This form also includes instructions for completion.

Section 3 and MWBE Monthly Contracting Compliance Report – Used to track contractor and subcontractor performance with opportunities for Section 3 business concerns and MWBEs on a monthly basis. A copy of this form is provided in Appendix F. This form also includes instructions for completion.

Sample Payroll Form WH 347 – This form is used to track payroll activity. It may be used by contractors that do not have a standard payroll form. It can be used to track payroll activity on a weekly or bi-weekly basis. The form was created by the U.S. Department of Labor (DOL). A copy of this form is provided in Appendix G.

Contractor Monthly Report – This report provides a written narrative of the activities engaged in or completed by the contractor. It also includes a written explanation of the contractor's outreach efforts and any obstacles incurred while trying to reach their Section 3 goals. An outline for this report is provided in Appendix H. This form also includes instructions for completion.

Core Employees List - Prior to start of the delivery of any services required by a contract executed with LHA, the contractor and any respective subcontractor shall provide LHA with a list of all core employees that will be assigned to work on the project. A core employee is any person listed and verified as employed with the contractor prior to the execution of the contract with LHA or any person listed and verified as employed with the subcontractor prior to the execution of the contract with the contractor (having an executed contract with LHA).

Appendices

APPENDIX

A

Appendix A – Examples of Efforts to Offer Job and Training Opportunities to Section 3 Grantees

Examples of efforts to offer job and training opportunities to Section 3 Residents include, but are not limited to the following:

Entering into "first source" hiring agreements with organizations representing Section 3 residents.

Sponsoring a HUD-certified "Step-Up" employment and training program for Section 3 residents.

Establishing training programs, which are consistent with the requirements of the Department of Labor, for public and Indian housing residents and other section 3 residents in the building trades.

Advertising the training and employment positions by distributing flyers (which identify the positions to be filled, the qualifications required, and where to obtain additional information about the application process) in the common areas or other prominent areas of a public housing development or the community where the new project is located.

Contacting resident councils, resident management corporations, or other resident organizations, where they exist, in a public housing development and community organizations to request the assistance of these organizations in notifying Section 3 residents of the training and employment positions to be filled.

Sponsoring (scheduling, advertising, financing or providing in-kind services) a job informational meeting to be conducted by a contractor representative at a location in the neighborhood or service area of the section 3 covered project.

Advertising the jobs to be filled through the local media, such as community television networks, newspapers of general circulation, and radio advertising.

APPENDIX

B

Appendix B – Examples of Efforts to Award Contracts to Section 3 Business Concerns

Examples of efforts to award contracts to Section 3 Business Concerns include, but are not limited to, the following:

Participation in HUD training designed to encourage participation of Section 3 business concerns.

In determining the responsibility of potential contractors, consider their record of Section 3 compliance as evidenced by past actions and their current plans for the pending contract.

Contacting business assistance agencies, minority contractor associations and community organizations to inform them of contracting opportunities and requesting their assistance in identifying Section 3 business concerns.

Advertising contracting opportunities by posting notices, which provide general information about the work to be contracted and where to obtain additional information, in the common areas within the community or with the local housing authority.

Providing written notice to all known section 3 business concerns of the contracting opportunities. This notice should be in sufficient time to allow the section 3 business concerns to respond to the bid invitations or request for proposals.

Following up with Section 3 business concerns that have expressed interest in the contracting opportunities by contacting them to provide additional information on the contracting opportunities.

Coordinating pre-bid meetings at which Section3 business concerns can be informed of upcoming contracting and subcontracting opportunities.

Carrying out workshops on contracting procedures and specific contract opportunities in a timely manner so that Section 3 business concerns can respond to upcoming contracting opportunities, and making such information available in languages other than English where appropriate.

Advising Section 3 business concerns as to where they may seek assistance to overcome limitations such as inability to obtain bonding, lines of credit, financing, or insurance.

Arranging solicitations, times for the presentation of bids, quantities, specifications, and delivery schedules in ways to facilitate the participation of Section 3 business concerns.

Examples of Efforts to Award Contracts to Section 3 Business Concerns (cont'd)

Where appropriate, dividing or breaking out contract work items into economically feasible units to facilitate participation by Section 3 business concerns.

Advertising the contracting opportunities through trade association papers and newsletters, and through the local media, such as community television networks, newspapers of general circulation, and radio advertising.

Developing a list of eligible Section 3 business concerns.

Establishing numerical goals (number of awards and dollar amount of contracts) for award of contracts to Section 3 business concerns.

Establishing or sponsoring programs designed to assist residents of public or Indian housing in the creation and development of resident-owned businesses.

Actively supporting joint ventures with Section 3 business concerns.

APPENDIX

C

Appendix C – Mandatory Section 3 Language for Contracts Covered by Section 3

All contracts subject to the Section 3 requirements will include the following clause:

A. The work to be performed under this contract is subject to the requirements of Section 3 of the Housing and Urban Development Act of 1968, as amended, 12 U.S.C. 170lu (Section 3). The purpose of Section 3 is to ensure that employment and other economic opportunities generated by HUD assistance or HUD-assisted projects covered by Section 3 shall, to the greatest extent feasible, be directed to low and very low-income persons, particularly persons who are grantees of HUD assistance for housing.

B. The parties to this contract agree to comply with HUD's regulations in 24 CFR Part 135, which implement Section 3, together with any implementation requirements or regulations of HUD that apply thereto. As evidenced by their execution of this contract, the parties to this contract certify that they are under no contractual or other impediment that would prevent them from complying with part 135 of the regulations.

C. The contractor agrees, and shall cause each subcontractor, to send to each labor organization or representative of workers with which the contractor or such subcontractor has a collective bargaining agreement or other understanding, if any, a notice advising the labor organization or worker's representative of the contractor's commitments under this Section 3 clause, and will post copies of the notice in conspicuous places at the work site where both employees and applicants for training and employment positions can see the notice. The notice shall describe the Section 3 preference, shall set forth minimum number and job titles subject to hire, availability of apprenticeship and training positions, the qualifications for each; and the name and location of the person(s) taking applications for each of the positions; and the anticipated date the work shall begin. The Housing Authority of the City of Lakeland's Section 3 employment goal is thirty percent (30%) of all new hires. The Housing Authority of the City of Lakeland's Section 3 contracting goal is ten percent (10%) of contract and subcontract value.

D. The contractor agrees, and shall cause each subcontractor to agree, to include this Section 3 clause in every subcontract ($100,000 or more) subject to compliance with regulations in 24 CFR Part 135, and agrees to take appropriate action, as provided in an applicable provision of the subcontract or in this Section 3 provision, upon a finding that the subcontractor is in violation of the regulations in 24 CFR Part 135. The contractor and subcontractors will not subcontract with any subcontractor when the contractor has notice or knowledge that the subcontractor has been found in violation of the regulations in 24 CFR Part 135.

E. The contractor shall, and will cause each subcontractor to, certify that any vacant employment positions, including training positions, that are filled (a) after the contractor or such subcontractor is selected but before the contract is executed, and (b) with persons other than those to whom the regulations of 24 CFR Part 135 require employment

Mandatory Section 3 Language for Contracts Covered by Section 3 opportunities to be directed, were not filled to circumvent the contractor's obligations under 24 CFR Part 135.

F. Noncompliance with HUD's regulations in 24 CFR Part 135 may result in sanctions, termination of this contract for default, and debarment or suspension from future HUD

assisted contracts. The contactor shall, and will require each subcontractor to, submit a monthly report to the Housing Authority of the City of Lakeland's tracking Section 3 employment and contracting goals.

G. With respect to work performed in connection with Section 3 covered Indian housing assistance, Section 7(b) of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 450e) also applies to the work to be performed under this contract. Section 7(b) requires that to the greatest extent feasible (i) preference and opportunities for training and employment shall be given to Indians, and (ii) preference in the award of contracts and subcontracts shall be given to Indian organizations and Indian-owned Economic Enterprises. Parties to this contract that are subject to the provision of Section 3 and Section 7(b) agree to comply with Section 3 to the maximum extent feasible, but not in derogation of compliance with Section 7(b).

APPENDIX

D

M/WBE and Section 3 Compliance Summary Reporting Form

Month of _____ 201

Contractor	Subcontractor	Locale	Project	Contract Number	Contract Amount	Racial Ethnic Code	Contract Type	Number of New Hires	Number of Section 3 Hires	Section 3 New Hires %	MBE Contract Amount	MBE %	WBE Contract Amount	WBE %	Section 3 Contract Amount	Section 3 Contract %
Development Company A		Mayberry, USA	East County Area	08-128-10-17		2	1	0	0	0%		100%	-	0%	-	0.000%
	ABC Architect	Dallas, TX	East County Area		$373,100.00	1	9	0	0	0%			-	0%	-	0%
	CDC Contractor	Metairie, LA	East County Area		$1,543,657.03	1	6	12	7	58%						
	L&M Construction Company	My Town, USA	East County Area		$230,300.00	2	4	5	4	80%	$ 230,300.00	100%				
	A OK Multi-Service	My Town, USA	East County Area		$35,000.00	2	4	0	0		$ 35,000.00				3,500.00	100%
	The Rock Consulting Group	My Town, USA	East County Area		$2,401.12	2	6	0	0	0%	$ 2,401.12	100%	-	0%	-	0%
	My Cleaning Company	My Town, USA	East County Area		$15,000.00		1	2	2	100%					15,000.00	100%
	Your Trucking Company	My Town, USA	East County Area		$25,000.00	3	1	1	0	0%			25,000.00			
	D&B Accounting	New York, NY	East County Area		$75,000.00	1	6	0	0	0%			-	0%	-	0%
	EZ Environmental Company	My Town, USA	East County Area		$48,000.00	1	6	0	0	0%			-	0%	-	0%
		TOTALS			$2,347,458.15			20	13	65%	$267,701.12	11.4%	$25,000.00	$ 0.01	$18,500.00	$ 0.01

RACIAL/ETHNIC CODES

1 = White Americans
2 = Black Americans
3 = Native Americans
4 = Hispanic Americans
5 = Asian/Pacific Americans
6 = Hasidic Jews
7 = Women

TYPE OF CONTRACT

1 = New Constr.
2 = Subst. Rehab
3 = Repair
4 = Service
5 = Project Mgmt.
6 = Professional
7 = Tenant Services
8 = Education/Training
9 = Arch./Eng/Appraisal
0 = Other

Minority and Women Business Enterprises and Section 3 Contracting and Compliance Report

Instructions: This form is to be used to report monthly accomplishments regarding employment and contracting opportunities provided to low- and very low-income persons under Section 3 of the Housing and Urban Development Act of 1968. The Section 3 regulations apply to any **public and Indian housing programs** that receive: (1) development assistance pursuant to Section 5 of the U.S Housing Act of 1937; (2) operating assistance pursuant to Section 9 of the U.S. Housing Act of 1937; or (3) modernization grants pursuant to Section 14 of the U.S. Housing Act of 1937 and to **recipients of housing and community development assistance in excess of $200,000** expended for: (1) housing rehabilitation (including reduction and abatement of lead-based paint hazards; (2) housing construction; or (3) other public construction projects; and to **contracts and subcontracts in excess of $100,000** awarded in connection with the Section 3-covered activity.

Recipient Agencies, Sub-Grantees and contractors subject to Section 3 requirements must maintain appropriate documentation to establish that HUD financial assistance for housing and community development programs were directed toward low- and very low-income persons. A contractor working on a project that receives Section 3 covered assistance shall submit once copy of this report to the Recipient Agency or Sub-Grantee. It is recommended that the report be submitted by the contractor on a monthly basis to the Recipient Agency or Sub-Grantee as a part of any pay request submittal package. The contractor shall be responsible for obtaining the information necessary to complete the report from any and all subcontractors performing work on the Section 3-covered project.

The form shall be completed as follows:

Report for month of: Enter the month and year in which the report is prepared

Contractor: Enter the name of the contractor that has executed an agreement with the recipient agency.
Subcontractor: Enter the name of the subcontractor(s) that have executed an agreement with the contractor.
Address: Enter the business address of the contractor or subcontractor(s).

Project: Enter the name of the project that has been approved by the Recipient Agency or Sub-Grantee.
Contract Number: Enter the number or other identification code used by the recipient agency to distinguish this contract from other contracts issued by the recipient agency, if applicable.

Contract Amount: Enter the dollar value of the contract at the time of execution.

Racial Ethnic Code: Enter the race or ethnic code for the person that owns 51% of more of the company. The codes are (1) white; (2) Black or African-American; (3) Native American; (4) Hispanic; (5) Asian/Pacific Islander; (6) Hasidic Jews; or (7) woman

Contract Type: Enter the code for the type of contract issued to the contractor or subcontractor. The codes are (1) new construction; (2) substantial rehabilitation; (3) repair; (4) service; (5) project management; (6) professional services; (7) tenant services; (8) education/training; (9) architectural, engineering or appraisal; or (0) other.

Number of New Hires: Enter the total number of new employees hired by the contractor or subcontractor since starting work on the project. The number does not include employees previously hired by the contractor or subcontractor prior to starting work on the project.

Number of Section 3 Hires: Enter the total number of new Section 3 employees hired by the contractor or subcontractor since starting work on the project.

Percentage of Section 3 New Hires: Enter the percentage of new Section 3 employees hired by the contractor or subcontractor since starting work on the project. Divide the number of Section 3 hires by the number of new employees hired by the contractor or subcontractor since starting work on the project.

MBE Contract Amount: Enter the dollar amount to be paid to the Minority Business Enterprise by the contractor or subcontractor since starting work on the project.

MBE Percentage: Enter the percentage of contracts awarded to Minority Business Enterprise by the contractor or subcontractor since starting work on the project. Divide the total dollar amount of contracts awarded to the Minority Business Enterprise by the total dollar amount of all contracts awarded by the contractor since starting work on the project.

WBE Contract Amount: Enter the dollar amount to be paid to the Woman Business Enterprises by the contractor or subcontractor since starting work on the project.

WBE Percentage: Enter the percentage of contracts awarded to Woman Business Enterprise by the contractor or subcontractor since starting work on the project. Divide the total dollar amount of contracts awarded to the Woman Business Enterprise by the total dollar amount of all contracts awarded by the contractor since starting work on the project.

Section 3 Contract Amount: Enter the dollar amount to be paid to the Section 3 business concern by the contractor or subcontractor since starting work on the project.

Section 3 Percentage: Enter the percentage of contracts awarded to Minority Business Enterprise by the contractor or subcontractor since starting work on the project. Divide the total dollar amount of contracts awarded to the Section 3 business concern by the total dollar amount of all contracts awarded by the contractor since starting work on the project.

APPENDIX

E

LAKELAND HOUSING AUTHORITY
DEPARTMENT OF PROCUREMENT AND CONTRACTS

Section 3 Manhour Report

To be submitted with each application for payment

Contractor: _____ Contract No: _____

Contract Start Date: _____ Contract Completion Date: _____

Report for month of: _____ _____

Identify all Section 3 residents who have performed work in connection with this project to date. All Section 3 employees must appear on the Certified Payroll Form.

Name Address Social Security #	Indicate with an "X" if Employee was hired this period**	Referral Source	Section 3 Category Preference	Number of Manhours Worked This Period	Hire Date	Termination Date
John Doe 1 Main Street, Lakeland 123-45-6789	X	LHA	2	30	5/2/12	N/A

For the period of this report, indicate:

Total number of man hours worked by all employees: _____

Total number of man hours worked by Section 3 employees: _____

Total Percentage of man hours worked by Section 3 employees: _____

Name: _____

Date: _____

Title: _____

** Attach Section 3 Resident Certification Forms for each new hire reported.

Section 3 Man Hour Report

Instructions: This report is to be used to report monthly accomplishments regarding employment opportunities provided to low- and very low-income persons under Section 3 of the Housing and Urban Development Act of 1968. The Section 3 regulations apply to any **public and Indian housing programs** that receive: (1) development assistance pursuant to Section 5 of the U.S Housing Act of 1937; (2) operating assistance pursuant to Section 9 of the U.S. Housing Act of 1937; or (3) modernization grants pursuant to Section 14 of the U.S. Housing Act of 1937 and to **recipients of housing and community development assistance in excess of $200,000** expended for: (1) housing rehabilitation (including reduction and abatement of lead-based paint hazards; (2) housing construction; or (3) other public construction projects; and to **contracts and subcontracts in excess of $100,000** awarded in connection with the Section 3-covered activity.

Recipient agencies and contractors subject to Section 3 requirements must maintain appropriate documentation to establish that HUD financial assistance for housing and community development programs were directed toward low- and very low-income persons. A contractor working on a project that receives Section 3 covered assistance shall submit once copy of this report to the recipient agency. It is recommended that the report be submitted by the contractor on a monthly basis to the recipient agency as a part of any pay request submittal package. The contractor shall be responsible for obtaining the information necessary to complete the report from any and all subcontractors performing work on the Section 3-covered project.

The report shall be completed as follows:

Contractor: Enter the name of the contractor or subcontractor that has hired a Section 3 employee or employees.

Contract No: Enter the number or other identification code used by the recipient agency to distinguish this contract from other contracts issued by the recipient agency, if applicable.

Contract Start Date: Enter the date the contract was executed by the recipient agency and the contractor. Subcontractors should enter the date the contract executed between the contractor and the respective subcontractor.

Contract Completion Date: Enter the date the contact is scheduled to expire. Subcontractors should enter the date the contract executed between the contractor and the respective subcontractor is scheduled to expire.

Report for month of: Enter the month and year in which the report is prepared

Name, Address, Social Security #: Enter the name, address and social security number of any person that meets the definition of a Section 3 employee and is hired by the subcontractor(s) or supplier(s) performing work under the contract.

Indicate with an "X" if Employee was hired this period: If the employee was hired during the period for which the report is submitted, enter an "X" on the in this column on the same line as the name of the respective new employee.

Referral Source: If the recipient agency or contractor wants to track their outreach efforts to determine which method was most effective in recruiting Section 3 residents, enter the referral source in this column. Examples include such as newspaper advertisement, public service announcements, partner agencies, on-site job advertisement, etc.

Section 3 Category Preference: In this column indicate whether the Section 3 hire is a (1) Category One – resident of a public housing agency housing site where the work is being performed; (2) Category Two – resident of any public housing agency housing site; (3) Category Three – participants in a HUD Youthbuild Program; or (4) Category Four – other low- and very low-income persons.

Number of Man Hours Worked This Period: Enter the total amount hours the employee worked during the current pay period. For example, 160 hours.

Hire Date: Enter the date the person was hired as a full-time employee.

Termination Date: Enter the date the employee was terminated.

For the period of this report, indicate:

Total number of man hours worked by all employees: Enter the total amount to hours worked during current month by all employees hired by the contractor or subcontractor.

Total number of man hours worked by Section 3 employees: Enter the total amount to hours worked during current month by Section 3 employees hired by the contractor or subcontractor.

Total Percentage of man hours worked by all employees: Enter the percentage of hours worked during current month by Section 3 employees hired by the contractor or subcontractor. Divide the number of hours worked by Section 3 employees by the number of hours worked by all employees.

Name: Enter the first and last name of the person completing the report.

Title: Enter the title of the person completing the report.

Date: Enter the date the person completed the report.

Attach Section 3 Resident Certification Forms for each new hire reported: The contractor or subcontractor should provide a copy of the documentation that is being used to certify the respective employee's status as a Section 3 hire.

Note: The contractor may use multiple pages for this report if necessary and appropriate.

APPENDIX

F

LAKELAND HOUSING AUTHORITY

Contracting Compliance Report

To be submitted with request for payment

Contractor: _____ **Contract No.:** _____

Contract Start Date: _____ **Contract Completion Date:** _____

Original Contract Amount: $_____

Current Contract Amount (Including Change Orders): $_____

Report for month of: _____ **201____**

List all Section 3/DBE/WBE Subcontractors and Suppliers utilized on this contract to date. Copies of all subcontract/supplier agreements executed during this reporting period must be submitted with report. Make copies of form if additional space is needed.

Name of Subcontractor/Supplier	Indicate with an "X" if Certified by LHA	Scope of Work Performed	Total Subcontract Amount Including Change Orders	Amount Paid this Period	Amount Paid To Date	Balance Remaining
Harvey Wallbanger	X	Carpentry	50,000	10,000	10,000	40,000

Total Amount Paid to Contractor by Subgrantee Agency:

This Period: $_____ **To Date: $**_____

Total Amount Paid by Contractor to Section 3 Business Concerns:

This Period: $_____ **To Date: $**_____

Total Amount Paid by Contractor to MBEs:

This Period: $_____ **To Date: $**_____

Total Amount Paid by Contractor to WBEs:

This Period: $_____ **To Date: $**_____

Name:_____

Title:_____

Date:_____

Contracting and Compliance Report

Instructions: This form is to be used to report monthly accomplishments regarding employment and contracting opportunities provided to low- and very low-income persons under Section 3 of the Housing and Urban Development Act of 1968. The Section 3 regulations apply to any **public and Indian housing programs** that receive: (1) development assistance pursuant to Section 5 of the U.S Housing Act of 1937; (2) operating assistance pursuant to Section 9 of the U.S. Housing Act of 1937; or (3) modernization grants pursuant to Section 14 of the U.S. Housing Act of 1937 and to **recipients of housing and community development assistance in excess of $200,000** expended for: (1) housing rehabilitation (including reduction and abatement of lead-based paint hazards; (2) housing construction; or (3) other public construction projects; and to **contracts and subcontracts in excess of $100,000** awarded in connection with the Section 3-covered activity.

Recipient Agencies, Sub-Grantees and contractors subject to Section 3 requirements must maintain appropriate documentation to establish that HUD financial assistance for housing and community development programs were directed toward low- and very low-income persons. A contractor working on a project that receives Section 3 covered assistance shall submit once copy of this report to the Recipient Agency or Sub-Grantee. It is recommended that the report be submitted by the contractor on a monthly basis to the Recipient Agency or Sub-Grantee as a part of any pay request submittal package. The contractor shall be responsible for obtaining the information necessary to complete the report from any and all subcontractors performing work on the Section 3-covered project.

The form shall be completed as follows:

Contractor: Enter the name of the contractor that has executed an agreement with the Recipient Agency or Sub-Grantee.

Contract No: Enter the number or other identification code used by the recipient agency to distinguish this contract from other contracts issued by the Recipient Agency or Sub-Grantee, if applicable.

Contract Start Date: Enter the date the contract was executed by the Recipient Agency or Sub-Grantee and the contractor.

Contract Completion Date: Enter the date the contact is scheduled to expire.

Original Contract Amount: Enter the dollar value of the contract at the time of execution.

Current Contract Amount (including Change Orders): Enter the most recent or current dollar value of the contract if the dollar value was increased by a change order that was approved by the Recipient Agency or Sub-Grantee.

Report for month of: Enter the month and year in which the report is prepared

Name of Subcontractor/Supplier: Enter the name of each subcontractor(s) or supplier(s) performing work under the contract.

Indicate with an "X" if Certified by Recipient Agency or Sub-Grantee: If the Recipient Agency or Sub-Grantee requires each subcontractor or supplier to be certified as a Section 3 business concern, woman- or minority owned business enterprise and said certification has been reviewed and approved by the Recipient Agency or Sub-Grantee enter an "X" on the in this column on the same line as the name of the respective Section 3 business concern, woman- or minority-owned business enterprise.

Scope of Work Performed: Enter the type of work being performed under the contact in this column. Examples include carpentry, masonry, electrical, supplier, cleaning, etc.

Total Subcontract Amount Including Change Orders: Enter the total dollar value of the subcontract. The total should include the dollar value of any change orders or amendments that increase the dollar value of the subcontract.

Amount Paid this Period: Enter the total amount to be paid to the subcontractor or supplier during the current pay period.

Amount Paid To Date: Enter the cumulative total amount paid to the subcontractor or supplier since the beginning of the contract.

Balance Remaining: Subtract the Amount Paid to Date from the Total Subcontract Amount and enter the number into this column. The difference is the remaining balance to be paid to subcontractor.

Total Amount Paid to Contractor by Recipient Agency or Sub-Grantee:

This Period: Enter the dollar amount to be paid to the contractor during current month.

To Date: Enter the cumulative dollar amount paid to the contactor since the beginning of the contract.

Total Amount Paid by Contractor to Section 3 Business Concerns:

This Period: Enter the dollar amount to be paid to the Section 3 business concerns during the current month.

To Date: Enter the cumulative dollar amount paid to the Section 3 business concerns since the beginning of the contract.

Total Amount Paid by Contractor to MBE:

This Period: Enter the dollar amount to be paid to the Minority Business Enterprises during the current month.

To Date: Enter the cumulative dollar amount paid to the Minority Business Enterprises since the beginning of the contract.

Total Amount Paid by Contractor to WBE:

This Period: Enter the dollar amount to be paid to the Women Business Enterprises during the current month.

To Date: Enter the cumulative dollar amount paid to the Women Business Enterprises since the beginning of the contract.

Name: Enter the first and last name of the person completing the report.

Title: Enter the title of the person completing the report.

Date: Enter the date the person completed the report.

Note: The contractor may use multiple pages for this report if necessary and appropriate.

APPENDIX

G

U.S. Department of Labor
Wage and Hour Division

PAYROLL

(For Contractor's Optional Use; See Instructions at www.dol.gov/whd/forms/wh347instr.htm)

Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number.

U.S. Wage and Hour Division

Rev. Dec. 2008

OMB No.: 1215-0149
Expires: 12/31/2011

NAME OF CONTRACTOR ☐ OR SUBCONTRACTOR ☐	ADDRESS	
PAYROLL NO.	FOR WEEK ENDING	PROJECT AND LOCATION / PROJECT OR CONTRACT NO.

(1) NAME AND INDIVIDUAL IDENTIFYING NUMBER (e.g., LAST FOUR DIGITS OF SOCIAL SECURITY NUMBER) OF WORKER	(2) NO. OF WITHHOLDING EXEMPTIONS	(3) WORK CLASSIFICATION		(4) DAY AND DATE — HOURS WORKED EACH DAY	(5) TOTAL HOURS	(6) RATE OF PAY	(7) GROSS AMOUNT EARNED	(8) DEDUCTIONS — FICA	WITH-HOLDING TAX			OTHER	TOTAL DEDUCTIONS	(9) NET WAGES PAID FOR WEEK
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While completion of Form WH-347 is optional, it is mandatory for covered contractors and subcontractors performing work on Federally financed or assisted construction contracts to respond to the information collection contained in 29 C.F.R. §§ 3.3, 5.5(a). The Copeland Act (40 U.S.C. § 3145) contractors and subcontractors performing work on Federally financed or assisted construction contracts to "furnish weekly a statement with respect to the wages paid each employee during the preceding week." U.S. Department of Labor (DOL) regulations at 29 C.F.R. § 5.5(a)(3)(ii) require contractors to submit weekly a copy of all payrolls to the Federal agency contracting for or financing the construction project, accompanied by a signed "Statement of Compliance" indicating that the payrolls are correct and complete and that each laborer or mechanic has been paid not less than the proper Davis-Bacon prevailing wage rate for the work performed. DOL and federal contracting agencies receiving this information review the information to determine that employees have received legally required wages and fringe benefits.

Public Burden Statement

We estimate that is will take an average of 55 minutes to complete this collection, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. If you have any comments regarding these estimates or any other aspect of this collection, including suggestions for reducing this burden, send them to the Administrator, Wage and Hour Division, U.S. Department of Labor, Room S3502, 200 Constitution Avenue, N.W. Washington, D.C. 20210

(over)

Date _____

I, _____ _____
(Name of Signatory Party) (Title)

do hereby state:

(1) That I pay or supervise the payment of the persons employed by

_____ on the
(Contractor or Subcontractor)

_____; that during the payroll period commencing on the
(Building or Work)

_____ day of _____, _____, and ending the _____ day of _____, _____, all persons employed on said project have been paid the full weekly wages earned, that no rebates have been or will be made either directly or indirectly to or on behalf of said

_____ from the full
(Contractor or Subcontractor)

weekly wages earned by any person and that no deductions have been made either directly or indirectly from the full wages earned by any person, other than permissible deductions as defined in Regulations, Part 3 (29 C.F.R. Subtitle A), issued by the Secretary of Labor under the Copeland Act, as amended (48 Stat. 948, 63 Start. 108, 72 Stat. 967; 76 Stat. 357; 40 U.S.C. § 3145), and described below:

_____

_____

_____

_____

(2) That any payrolls otherwise under this contract required to be submitted for the above period are correct and complete; that the wage rates for laborers or mechanics contained therein are not less than the applicable wage rates contained in any wage determination incorporated into the contract; that the classifications set forth therein for each laborer or mechanic conform with the work he performed.

(3) That any apprentices employed in the above period are duly registered in a bona fide apprenticeship program registered with a State apprenticeship agency recognized by the Bureau of Apprenticeship and Training, United States Department of Labor, or if no such recognized agency exists in a State, are registered with the Bureau of Apprenticeship and Training, United States Department of Labor.

(4) That:

(a) WHERE FRINGE BENEFITS ARE PAID TO APPROVED PLANS, FUNDS, OR PROGRAMS

☐ – in addition to the basic hourly wage rates paid to each laborer or mechanic listed in the above referenced payroll, payments of fringe benefits as listed in the contract have been or will be made to appropriate programs for the benefit of such employees, except as noted in section 4(c) below.

(b) WHERE FRINGE BENEFITS ARE PAID IN CASH

☐ – Each laborer or mechanic listed in the above referenced payroll has been paid, as indicated on the payroll, an amount not less than the sum of the applicable basic hourly wage rate plus the amount of the required fringe benefits as listed in the contract, except as noted in section 4(c) below.

(c) EXCEPTIONS

EXCEPTION (CRAFT)	EXPLANATION

REMARKS:

NAME AND TITLE	SIGNATURE

THE WILLFUL FALSIFICATION OF ANY OF THE ABOVE STATEMENTS MAY SUBJECT THE CONTRACTOR OR SUBCONTRACTOR TO CIVIL OR CRIMINAL PROSECUTION. SEE SECTION 1001 OF TITLE 18 AND SECTION 231 OF TITLE 31 OF THE UNITED STATES CODE.

APPENDIX

H

LAKELAND HOUSING AUTHORITY

PROJECT NAME
CONTRACTOR MONTHLY REPORT OUTLINE

I. Current Month Activities

II. Planned Activities - Next Month

III. Schedule Narrative
   a. Deadlines Achieved
   b. Deadlines Missed (w/explanations)
   c. Next Month deadlines

IV. Subcontracting Narrative
   a. Solicitations in Progress
   b. Subcontracts Executed
   c. MBE/WBE Outreach and Participation
   d. Section 3 Outreach and Participation

V. Budget Narrative
   a. Funds Obligated and Expended to Date
   b. Potential line item shortfalls

VI. Pending Issues
   a. Issues pending from prior months
   b. Prior issues resolved this month
   c. New issues

APPENDIX

I

LAKELAND HOUSING AUTHORITY
DEPARTMENT OF PROCUREMENT AND CONTRACTS

LIST OF CORE EMPLOYEES

CONTRACT EXECUTION DATE:_____

List all regular, permanent employees who are currently performing work or who normally perform work for your company when work is available and will be working on the LHA project. Duplicate this form if additional space is needed.

Name Address	Date of Hire	Job Classification
John Doe 1515 Mockingbird Lane City, State	10/10/2010	Plumber

Core Employee: Contractor's regular, permanent employee who normally performs work for the Contractor when work is available.

Name: _____

Title: _____

Date: _____