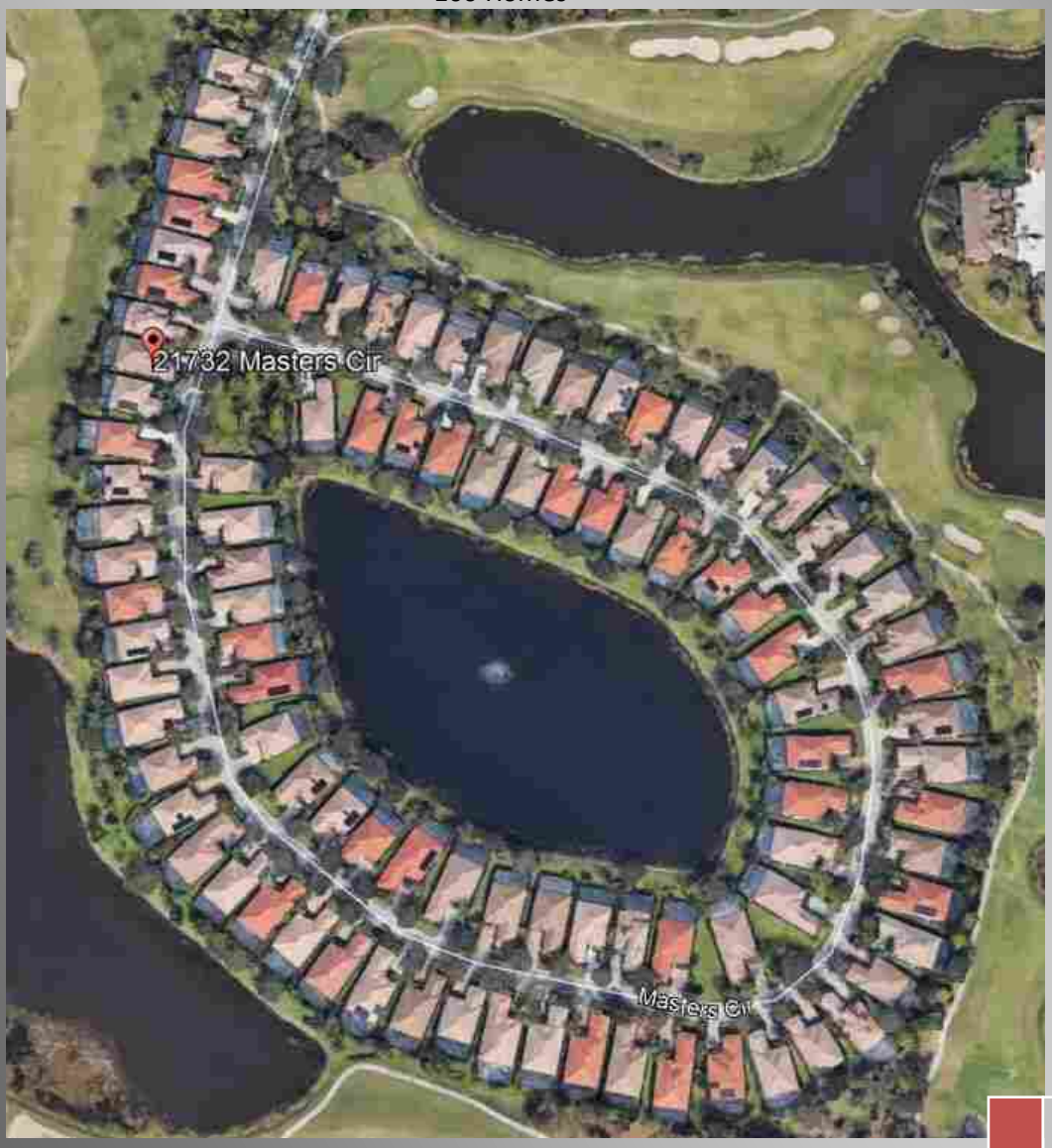
2020

The Americas Group

Painting Specification

Masters HOA Association

100 Homes



01/28/2020
Peter Bodnar ,President
Masters HOA Association
21732 Masters Circle,
Estero, Florida 33928
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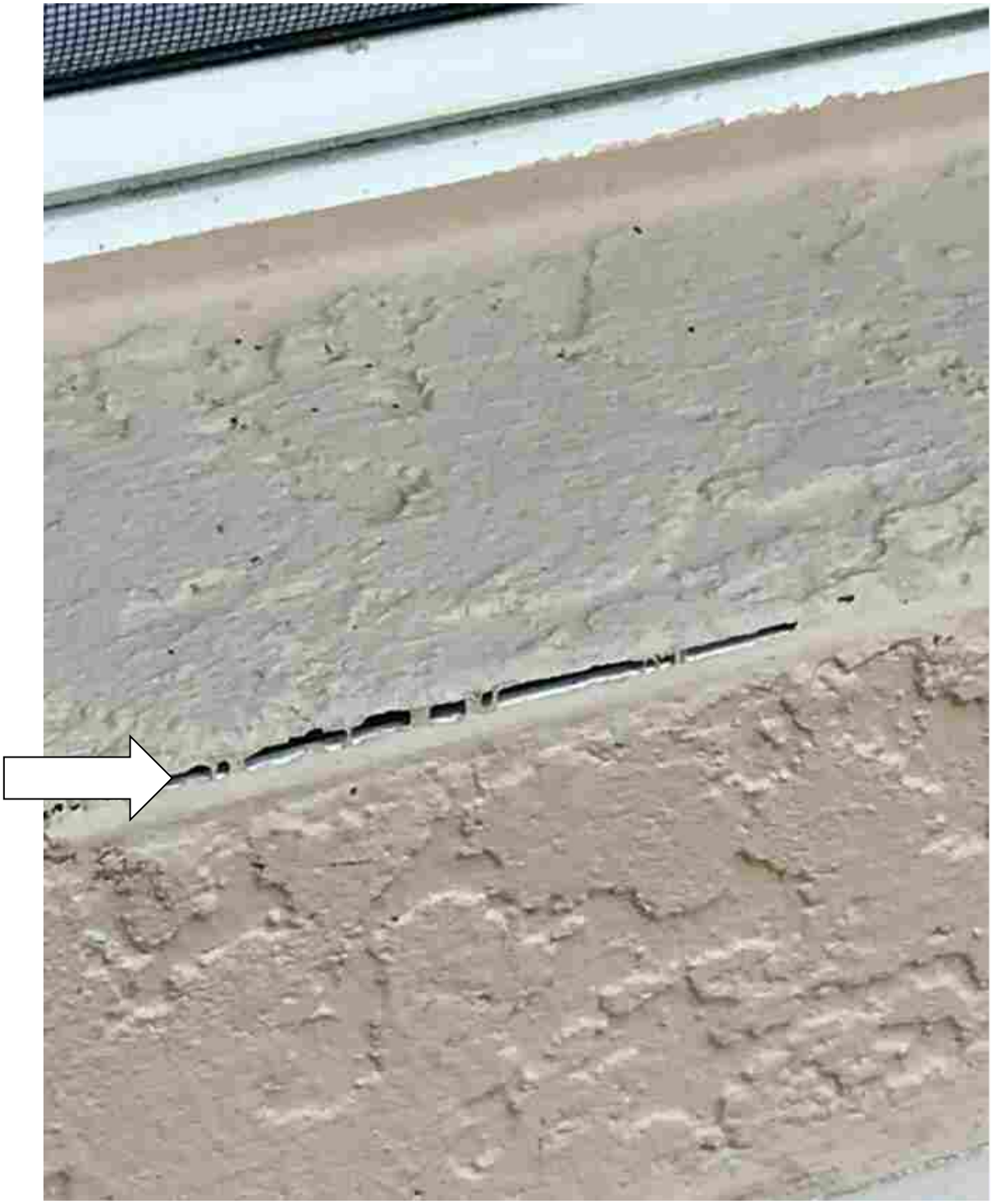
RE: Exterior Repaint

On 01/28/20 I made a site visit to your above referenced property. I evaluated the exterior substrates for the application of various paint coating systems and to identify corrections that should be made before the application. The following are my observations and recommendations.

1.Gutters and fascia had heavy mold in some areas between homes.

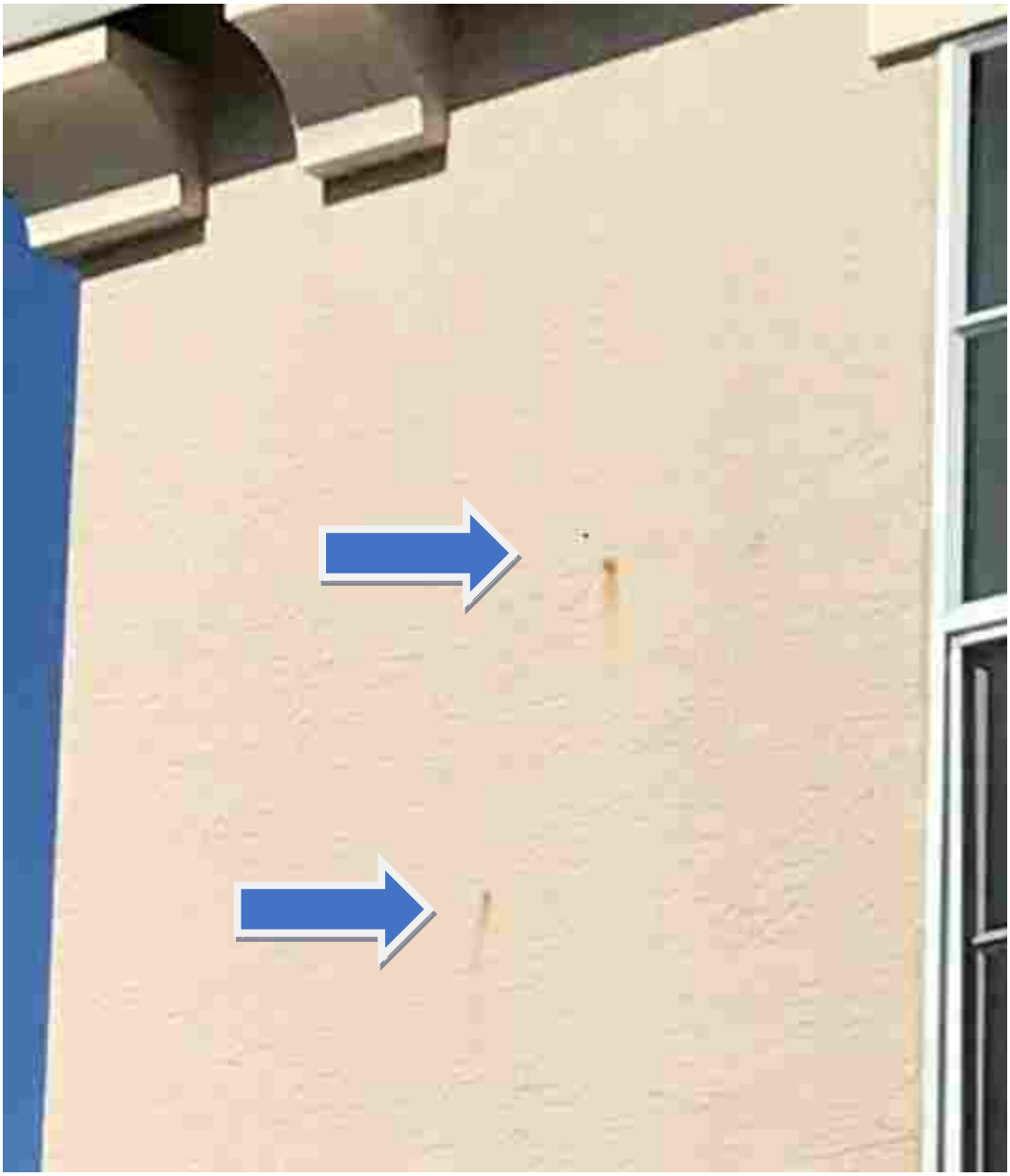
2.Window sill had stucco that was lifting away from stucco corner bead accessory. Areas located like this can be repaired by patching.



2. Sills with damage that is advanced should be replaced. The ferrous metal structural reinforcement inside has corrosion which causes the steel to rust . As the rust grows and swells it creates pressure on the surrounding cement and eventually cracks it and causes the cement to spall from the sill. If you patch this it will only continue to deteriorate and fail again. Most likely the water intrusion from this window is causing this problem. Water can leak into the window perimeter rough and is absorbed into the sill when no waterproofing membrane has been applied to the interior perimeter of the window rough ,or if it has a watwrproofing application then there is a void where the water has found its way into the cement sill. Inside the water causes the steel reinforcement to rust causing the damage. Cleaning window weep holes helps direct water from sitting in the window track and leaching into the rough. While this usually helps some windows are defective and leak so its not an exact fix. Also this can be verified by a window water pressure test performed by an engineer.

3.Static cracks were observed on some wall elevations . These can be caulked during the painting process.

4. Rust mites can be chipped out of the stucco before application of the new paint system.



5. Ashalt & dirt run off stains will continue to be a problem with any new paint system applied to these areas. Water runs out of the tile eave closure accessories and the solubilized oils from the ashalt undelayment and dirt leave a residue as it exits the roof out of the weep holes and off the tiles and down the fascia and sometimes the wall.

6. Heavy mold build up on sills and hurricane panels. These will have to be removed during the painting process for proper prep and cut in on these areas.

In general all surfaces are in good condition to receive the new paint system.

Following the recommendations of the specification will provide a satisfactory maintenance life of the referenced new coating systems. DurationSuperPaint Exterior Acrylic Satin carries a Twelev Year Labor and Material Warranty.
Representatives of Sherwin Williams will make site visits to observe surface prep and application of materials.
Thank you for the opportunity to specify Sherwin Williams products and services for your consideration.

Sincerely,
Caitlin Barnett
Residential Repaint Sales Rep
239-253-6225
Caitlin.Barnett@sherwin.com

SHERWIN WILLIAMS COATING SPECIFICATIONS FOR

Masters HOA Association

100 Homes

Peter Bodnar ,President
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21732 Masters Circle,
Estero, Florida 33928
Pbodnar@comcast.net

01, 28, 20

Part 1 – GENERAL

1.1 SCOPE OF WORK to include all buildings and carports

A. To prepare and repaint - exterior surfaces to include:

- ❑ All Exterior Stucco cement ,wall & ceiling Surfaces & conduit etc previously painted aluminum., masonry and EFIS foam trim.
- ❑ Caulk open voids and cracks in stucco wall system.
- ❑ Caulk All Transitions of similar and dissimilar materials.
- ❑ Apply continuous cant bead of WHITE LIGHTNING PAINTABLE SILICONE caulk at the top of all stucco bands to wall interface.
- ❑ Overhead Garage doors
- ❑ Entrance Doors & Wood Frames
- ❑ Cracks in stucco, rust mite removal and incidental sill repair included in base bid price.

- ❑ **Options-Line Items**

- ❑ 1..Aluminum fascia
- ❑ 2.Aluminum gutters and downspouts
- ❑ 3. Aluminum soffit
- ❑ 4 Interior lanai walls and ceiling to be priced out and paid for directly with individual home owners.
- ❑ 5.Hurricane shutters hoods to be priced out and paid for directly by individual home owners. A choice of prep-Line #5 B complete removal to bare aluminum or Line #5 A prep and paint specifications will be included in the pricing.

- ❑ 6. Window sill replacement price per unit where applicable. Note: Contractor awarded bid shall walk the property with owner representative and identify total number of sill to be replaced prior to the commencement of mobilization on job site. A written proposal shall be supplied to owners representative prior to job start.

- ❑ 7. Option for 7 year SuperPaint System

B. Areas not to be painted:

- ❑ No Screen assembly frames
- ❑ No Window Frames
- ❑ No Sliding door frames
- ❑ No hurricane shutters
- ❑ No light fixtures

1.2 QUALITY ASSURANCE

A. Applicator: Company specializing in exterior waterproofing, commercial, residential, multi-story condominium weatherproofing, restoration and painting.
B. Submit with bid a minimum of five references of successfully completed projects of similar magnitude and complexity, to include
BUILDING/COMPLEX NAME:
BUILDING ADDRESS:
CONTACT :TELEPHONE NUMBER:
BUILDING/RESIDENT MANAGER:
BOARD MEMBER OR OFFICER:
EXTERIOR FINISH COATING SYSTEM:

C. Include a copy of license, if required by local governing authority and applicable insurance documents.

1.3 REGULATORY REQUIREMENTS

A. Conform to applicable code for flame/fuel/smoke rating requirements for finishes.

1.4 BARRIERS AND ENCLOSURES

A. Provide to prevent public entry, to protect existing trees and plants, to provide for owners use of site, to protect existing facilities and adjacent properties from damage and to protect products and finished work from inclement weather as conditions warrant.

1.5 CONSTRUCTION CLEANING

A. Maintain areas under contractor's control free of waste materials, debris and rubbish.

B. Remove waste materials, debris and rubbish from site periodically and dispose of off site, conforming to applicable regulations for disposal of debris.

C. Maintain disposal area in an orderly manner; prevent run off into waterways or onto adjacent properties.

1.6 STORAGE AND PROTECTION

A. Store products immediately upon delivery, in accordance with Sherwin Williams product data sheets. All materials used on job shall be stored in a single place designated and agreed upon by the project management's representative.

1.7 ENVIRONMENTAL REQUIREMENTS

A. Do not apply exterior coatings during inclement weather or when air or substrate surface temperature is below Sherwin Williams recommendations, unless otherwise recommended by Sherwin Williams representative. See data sheets .

1.8 FIELD SAMPLES

A. A job site standard of the specified surface prep, surface conditioner, and finish executed by the contractor of record prior to project commencement is strongly suggested for the purpose of satisfying owner's approval. Provide field sample panel 2 feet long by 2 feet wide illustrating surface preparation, coating color, color coverage, texture and finish. Adhesion tests will be done as required-see 3.7,G.

B. Locate samples where directed by management.

C. Accepted sample may remain as part of the work, if surface is properly prepared.

1.9 WARRANTY

A. Provide 12 year manufacturer's material and labor warranty for the specified Sherwin Williams Duration Satin Paint systems. Following the recommendations of the specification will provide a satisfactory maintenance life of the referenced new stucco coating system.
Representatives of Sherwin Williams will make site visits to observe surface prep and application of materials.

Part 2 – PRODUCTS

2.1 COLORS

A. A sample of each color shall be applied to the building for color approval by the project management's representative.

Part 3 – EXECUTION

3.1 SHERWIN WILLIAMS SITE VISITS

A. Observe surface preparation standards on site with foreman.

B. Observe surface preparation standards on substrates scheduled to be sealed and or primed /coated prior to commencement of work to establish benchmark surface preparation quality required. During site visits report any condition to applicator that may potentially affect proper application and or negatively affect the expected service life of the new paint system.Document all site visits with written reports and photos.

C. Observe surfaces with finished coating system applied.

3.2 PREPARATION

A. General

1. Perform preparation and cleaning procedures as recommended by Sherwin Williams and as herein specified, for each particular substrate condition.
2. For more detailed information, see manuals and publications of standard industry procedures provided by organizations such as the following:
   a. American Institute of Architects (AIA).
   b. Construction Specifications Institute (CSI).
   c. American Society for Testing and Materials (ASTM).
   d. Painting and Decorating Contractors of America (PDCA).
   e. The Society for Protective Coatings (SSPC).
   f. Sealant Waterproofing Restoration Institute (SWRI).
3. Remove or protect items not to be finish painted. After completion of painting in each space or area, reinstall removed items.

B. Mold & Mildew Treatment

1. Solution concentration shall be 1 part water to 3 parts chlorine. Work solution into cracks, joints and textured surfaces . For areas with heavy builds ups use a stiff bristle scrub brush. Workers should wear rubber gloves and safety goggles. Avoid skin contact and wash with soap and water when through. Allow the solution to remain on the surface for ten minutes followed by a clean water rinse.

C. Pressure Washing

1. All vertical and horizontal surfaces designated in scope of work will be pressure washed for the complete removal of all mildew, chloride (salts), dust, dirt, grease, oil, loose particles, laitance, loose/peeling/blistering coatings and foreign materials.
2. The most effective method to accomplish the necessary results is the application of high pressure water blasting applied at horizontal and vertical overlapping sweeps completed at no more than 6 – 12" away from the surface. At no time will the operator attempt to wash at a distance of more than 12" away from the substrate.
3. Concrete, Masonry and Stucco Substrates: The pressure necessary to accomplish the above requirements is 3000 p.s.i. or above with a properly sized fan tip on well adhered coatings and/or an oscillating tip on marginally adhered and peeling coatings.
4. Metal Surfaces: Use 4000 p.s.i. or above with a fan or oscillating tip.
5. Wood Substrates: Use 1500 p.s.i. with a flat fan tip.
6. The unit's delivery flow at the nozzle must be between 4.5 – 7.0 gallons a minute. Local water supply should be verified with an empty 5-gallon pail and a watch with a second hand.
7. After pressure washing and mildew treatment check several areas for surface chalk and efflorescence. If chalk remains, re-wash affected areas, and allow drying. Apply surface conditioner to light chalk surfaces to obtain a slight angular sheen on the entire surface.

D. Sealing Chalk and Efflorescence

1. Verify powder residue on surface is either chalking due to weathering or alkalinity, or efflorescence. Localized powdery spots on cementitious surfaces usually indicate efflorescence or high alkalinity. A few drops of muriatic acid applied to the powdery surface will react to efflorescence by bubbling; no reaction to chalk.
2. After pressure washing and mold & mildew treatment, allow surface to dry thoroughly and check several areas of each surface for chalk and efflorescence.
3. Apply surface conditioner appropriate to degree of chalk remaining, determined as follows:

Chalk ratings are as listed in ASTM 4214-89, Test Method 659.

a. Light Chalk: #8 on ASTM Photographic Standard.
b. Moderate Chalk: #6 on ASTM Photographic Standard.
c. Heavy Chalk: #4/2 on the ASTM Photographic Standard.

4. Apply surface conditioner solution with brush, roller, airless or pressure sprayer.
5. Allow to dry according to label directions before proceeding.
6. Recheck for chalk after surface conditioner is dry. Surface conditioner should be applied to obtain a slight angular sheen on the entire surface.
7. Topcoat surface conditioner within 7 days after overnight dry.

E. REMOVAL AND REPLACEMENT OF SEALANTS WITH COHESIVE OR ADHESIVE FAILURE.

1. Removal and replacement of all sealants as specified in scope. All specified transitions with no sealants on the building's exterior wall envelope shall have sealants applied as required in scope to protect from air and moisture infiltration, by removing and replacing existing sealants according to SWRI (Sealant Waterproofing Restoration

Institute) and ASTM C 1521-02a, Standard Practice for Evaluating Adhesion of Installed Weatherproofing Sealant Joints:

2. Install specified sealant at all transitions listed, and to all transitions where they have been omitted previously, unless specifically excluded by Owner or Owner's representative in writing. This includes, but is not limited to: door, window and fixture penetrations and perimeters; windowsills, joints and perimeters of decorative stucco bands, quoins, joints at wall to wall (i.e., inside corners created by changes in direction of joining surfaces); flashing details; control joints and between separating dissimilar materials at expansion joints, etc.; and work provided by others including attachments or intrusions when penetrating exterior coating system (i.e., downspouts, screen enclosures, railings attached to sidewalls, etc.). Sealant installed over existing sealant is strictly forbidden.

3. Prior to sealant application:

a. Cut out old sealant with a caulk cutter only using caution not to damage the substrate and brush clean all residuals. Dispose of all cleaning residuals/old sealant, etc. in accordance with all local and state EPA/city/county requirements.

b. Seal stucco with surface conditioner and allow to dry.

c. Fit with backer rod or bond breaker (where necessary to control maximum depth of ½" and/or to prevent three (3) sided adhesion.

4. Install specified sealant. Sealant must be installed according to the manufacturer's directions. In optimum conditions , the depth of the sealant should be 1/2 the width of the joint. The sealant joint depth (measured at the center) should always fall between the maximum depth of 1/2."and the minimum depth of ¼"

5. All sealant will be no more than ½" in depth, and no more than 11/2" in width except for multi-component high-performance sealant. Transitions that have anticipated movement will or where sealant depth may exceed ½" will have bond breaker tape or backer rod installed to prevent three (3) sided adhesion.

6. Expansion joints will use specified two part urethane sealants and will be installed only after proper mixing procedures. All sealant details will be tooled immediately after installation with the correct sized sealant tool.

F. Crack Treatment

1. Concrete Block and Stucco:

a. Hairline cracks:

1. Following cleaning and preparation of chalky surfaces, apply detail coat of SW Concrete & Masonry ,Smooth and Textured elastomeric patching compound.

2. Allow to dry in accordance with Sherwin Williams data sheet ; delay top coating should unexpected weather or surface changes occur, until the patching compound has cured thoroughly.

b. Cracks – 1/16" to 1/8":

1. Rake out with knife and clean.

2. Seal with surface conditioner.
3. Bridge with elastomeric patching compound, forming and maintaining a slight crown over the center of the crack and running the full length. Feather patching compound into the existing texture 2" on either side of the crack. Stipple or texture to blend with adjacent surfaces.
4. Allow to dry in accordance with Sherwin Williams data sheet; delay top coating should unexpected weather or surface changes occur, until the patching compound has cured thoroughly.

c. Cracks – 1/8" to 1/4":

1. Saw-cut a V groove following the configuration of the crack to accept application of the specified one part urethane sealant.
2. Rake out with knife and clean.
3. Seal with surface conditioner.
4. Install sealant.
5. Allow sealant to dry in accordance with manufacturer's instructions until sealant has achieved through cure.
6. Apply specified SW elastomeric patching compound over the cured sealant, forming a slight crown over the center of the sealant and maintaining the crown the full length. Feather patching compound into the existing texture 2" on either side of the repair area. Stipple or texture to blend with adjacent surfaces.
7. Allow to dry in accordance with manufacturer's instructions; delay topcoating should unexpected weather or surface changes occur, until the patching compound has cured thoroughly.

1. Cracks – 1/4" to 1/2", if any:
2. Saw-cut crack to create joint for backer rod and specified sealant.
3. Rake out with knife and clean.
4. Seal with specified surface conditioner.
5. Fit with backer rod.
6. Install sealant.
7. Allow sealant to dry in accordance with manufacturer's instructions until sealant has cured thoroughly.
8. Apply specified SW patching compound over the cured sealant, forming a slight crown over the center of the sealant and maintaining the crown the full length. Feather patching compound into the existing texture 2" on either side of the repair area. Stipple or texture to blend with adjacent surfaces.
9. Allow to dry in accordance with manufacturer's instructions; delay topcoating should unexpected weather or surface changes occur, until the patching compound has cured thoroughly

G. Concrete, Masonry and Stucco Patching

Note: Cracking, splitting or spalling concrete can have an adverse effect on performance of the specified coating system. Specifications for repairs, scope of work and materials should be provided by professionals experienced in this type of work. Consultation with a structural engineering firm specializing in the industry of concrete restoration is suggested.

1. Rust Stains:
a. From sprinkler systems, if any:
1. Remove stains with rust stain remover. Rinse and let dry.
b. From imbedded iron deposits, if any:
1. Chip, drill or chisel out.
2. Treat stain with oxalic acid.
3. Seal with surface conditioner.
c. Rust through from metal lath or reinforcing steel, if any:
1. Repair as stucco as appropriate.
2. Stucco:
a. Deteriorating stucco areas less than 2 square inches in size and 1/4" deep:
1. Sound out and remove loose stucco.
2. Seal with surface conditioner.
3. Fill with patching compound or polymer modified stucco patch blending with adjacent surfaces.
4. All rusted corner beads shall be primed with Coretc Corverter . Severely Rusted Corner Beads shall be removed and replaced with new corner beads. Stucco Shall match surrounding texture.

H. Ferrous Metal

1. After pressure washing, mildew treatment and chloride (salts) removal, ferrous metals will be solvent cleaned in accordance with the Society of Protective Coatings Standard, SSPC SP-1. Change cleaning rags often. Dispose of all rags in accordance with local, state and EPA regulations.
2. Any existing rust or loose and failed coatings will be removed by conscientious hand and power tool cleaning, according to SSPC-SP2/3. Hand or power sand all existing gloss surfaces in order to promote the adhesion of the specified primer/finish. Remove all sanding residuals.
3. All residue produced by grinding and chipping will be completely removed from the surface and surrounding area prior to any other procedure.
4. Any area that presents difficulty in reaching will be treated with the specified rust conversion primer, applied by label direction. Rust must be present for the converter to perform as formulated by converting ferrous oxide (rust) to a stable iron complex.
5. Pay particular attention to back-to-back angles, bolt configurations and all welds. "Stripe coat" all welds and allow primer to dry prior to complete prime coat installation.
6. Surface temperature must be 5□F above critical dew point prior to any coatings procedure.

I. Aluminum

1. After pressure washing, mildew treatment and chloride (salts) removal, remaining oxidized or deteriorated aluminum coatings will be removed by power tool sanding.
2. Lightly sand to remove existing gloss and ensure primary bond of the Sherwin Williams coatings system.

3. Remove all sanding residuals. Clean all surfaces to be painted by solvent wiping with approved solvent compatible with specified system and allow to dry prior to any other procedure.
4. Prime any bare aluminum.

J. Galvanized Metals
1. After pressure washing, mildew treatment and removal of chloride (salts) residue, remaining oxidized or deteriorated coating will be removed by power tool sanding or wire brushing.
2. Lightly sand to remove existing gloss and ensure primary bond of the Sherwin Williams coatings system.
3. Clean all surfaces to be painted by appropriate cleaner and or solvent. Wipe with approved solvent compatible with specified system and allow to dry prior to any other procedure. Remove all sanding residuals.
4. Prime any bare galvanized metal. Convert any rust – see "Ferrous Metals."

K. Miscellaneous Equipment – Roof fixtures, fire boxes, mechanical/electrical fixtures, boxes and piping.
1. After pressure washing and mildew treatment, sand, scrape and wire brush remaining loose paint.
2. Replace rusty fasteners.
3. Prime rust and prime bare metal.

3.3 PROTECTION

A. Protect elements surrounding the work of this Section from damage or disfiguration.

B. Repair damage to other surfaces caused by work of this Section.

C. Furnish drop cloths, shields and protective methods to prevent spray or droppings from disfiguring other surfaces.

D. Remove empty paint containers from site.

3.4 APPLICATION

Coatings should be applied based on specified wet mil film thicknesses to achieve suggested dry film thicknesses. Spread rates available on Sherwin Williams product data sheets and product labels should be used as a guideline for material estimates. Given the available data, it is the responsibility of the applicator to determine spread rates based on surface textures, profiles and porosity after required preparation. The contractor shall also be responsible for determining the number of finish coats to provide satisfactory hide and coverage without compromising the finish and performance characteristics of the products. Sherwin Williams shall not be held responsible for any quantity estimates.

A. Apply products in accordance with Sherwin Williams recommendations.

B. Do not apply finishes to surfaces that are not dry.

C. Verify surface temperature is within manufacturer's specified range.

D. Apply each coat to film thickness as recommended by Sherwin Williams.

E. Allow applied coat to dry before next coat is applied.

F. Apply exterior coatings using brush and roll method, unless approved otherwise by Owner.

3.5 CLEANING

A. As work proceeds, promptly remove paint where spilled, splashed or spattered.

B. During progress of work maintain premises free of unnecessary accumulation of tools, equipment, surplus materials and debris.

C. Collect waste, cloths and material which may constitute a fire hazard, place in metal containers and remove daily from site.

3.6 MATERIALS AND PRIMERS (unless otherwise specified at system 3.8)

A. Surface Conditioner – Concrete, Masonry and Stucco: Light Chalk : SW Loxon Masonry Conditioner Clear.

B. Primer – Bare and/or Rusted Ferrous Metal: SW Kem Kromik Universal Metal Primer.

C. High-Performance Primer – Ferrous Metal: SW Macropoxy 646 Fast Cure Epoxy applied at 7-13.5 mils wet/5-10 mils dry. Follow all label directions.
D. Surface Conditioner – Aluminum and Galvanized Metal: Light Chalk: Loxon Conditioner Clear.
E. Patching Compound – Sherwin Williams Concrete Masonry elastomeric Waterproofing Sealant and Patching Compound, Textured or Smooth: to match and compatible with adjacent surfaces and materials; to suit application.

F. Sealant –Control Joints: APPROVED SEALANTS: WHITE LIGHTNING PAINTABLE SILICONE - a 1- C Silane terminated polymer. A minimum of 30 minutes dry time is required at 65°F and minimum humidity of 50%.Otherwise do not paint for 3 hours. Can be painted with any latex paint.Use a latex based primer for solvent based topcoats. PECORA Dynatrol 1-Master Seal NP1 One-Component Gun-Grade Sealant.

G. Sealants – Expansion Joints: LoxonTM NS2 is a two-component, non-sag, highly flexible, non-priming, high performance polyurethane sealant. It provides up to 50% total

joint movement and can be tinted. PECORA Dynatrol 2- Master Seal NP2 Multiple-Component High-Performance Polyurethane Sealant on vertical surfaces and non-traffic areas. For areas where there will be foot traffic use Master Seal NP2 Multiple Component Elastomeric Joint Sealant.

H. Backer Rod and Bond Breaker: Compatible with adjacent surfaces and materials; to suit application. Backer rod is best placed with tools specifically designed to control depth to ½".

I. Solvent Cleaner: See data sheet for appropriate solvent for each product.

J. Accessory Materials: Paint additives, thinners and other materials not specifically indicated but required to achieve the finishes specified; of commercial quality.

3.7 FINISH SCHEDULE - EXTERIOR SURFACE PAINT SYSTEMS

Coatings should be applied based on specified wet mil film thicknesses to achieve suggested dry film thicknesses. Spread rates available on Sherwin Williams product technical data sheets and product labels should be used as a guideline for material estimates. Given the available data, it is the responsibility of the applicator to determine spread rates based on surface textures, profiles and porosity after required preparation. The contractor shall also be responsible for determining the number of finish coats to provide satisfactory hide and coverage without compromising the finish and performance characteristics of the products. Sherwin Williams shall not be held responsible for any quantity estimates. WET FILM GAUGES MUST BE USED.

A. Painted Concrete, Masonry and Stucco,– Painted All Exterior Walls, Ceilings, EFIS & Masonry decorative trim, Painted Electrical Conduit, Previously Painted Aluminum Existing Painted Masonry and Stucco Surfaces, Aluminum fascia& soffit.

1. First Coat: Loxon Conditioner.
2. Finish: SW Duration Exterior Acrylic Satin
3. OR SW SuperPaint Exterior Acrylic Satin

B. Entrance Doors- & Overhead garage Doors-Wash doors with Simple Green to remove contaminants and all chalk .Lightly scuff sand .

1. First Coat: Loxon Conditioner.

2. Finish: SW Snap Dry Semi Gloss applied at 4.0 wet mils thick to achieve 1.3 dry mil.

C. option#1 Aluminum fascia -Bleach with 3 to 1 solution and allow to dwell 25 minutes. Power wash to rinse away all residue material and provide a clean bare substrate

1. First Coat: Loxon Conditioner.

2. Finish: Duration Exterior Satin
3. OR SW SuperPaint Exterior Acrylic Satin

D. option#2 Aluminum Gutters & Downspouts Bleach with 3 to 1 solution and allow to dwell 25 minutes. Power wash to rinse away all residue material and provide a clean bare substrate

1. First Coat: Loxon Conditioner.
2. Finish: SW Sanp Dry Semi Gloss applied at 4.0 wet mils thick to achieve 1.3 dry mil.

E. option#3 Aluminum soffit -Bleach with 3 to 1 solution and allow to dwell 25 minutes. Power wash to rinse away all residue material and provide a clean bare substrate

1. First Coat: Loxon Conditioner.
2. Finish: SW SuperPaint Exterior Acrylic Satin applied at 350-400 sq ft per gal to achieve 1.44 dry mils

F. Line item #5A -Aluminum Hurricane hoods - Prep by total removal of all chalk and prep peeling areas by sanding back to bare metal or sound existing paint. Use Extra Muscle Cleaner followed by agitation and by pressure washing to remove all chalk. If any light oxidation still is on surface then prime entire surface with Loxon Conditioner.

1. First Coat: SW ProCryl Primer Red Oxide applied at 5.0 wet mils thick to achieve 1.8 dry mils.

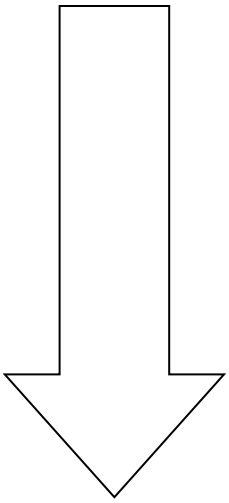
2. Finish S/W Sanp Dry Semi Gloss applied at 4.0 wet mils thick to achieve 1.3 dry mil.

Line item #5B -Aluminum Hurricane hoods - Prep by total removal of all paint to bare metal by Smart Strip chemical paint remover. Pressure wash to remove all remaining residue.

1. First Coat: SW ProCryl Primer Red Oxide applied at 5.0 wet mils thick to achieve 1.8 dry mils.

2. Finish S/W Sanp Dry Semi Gloss applied at 4.0 wet mils thick to achieve 1.3 dry mil.

Data Sheets



SHERWIN WILLIAMS.

102.14

DURATION®
Exterior Latex
Satin
K33 Series

As of 12/01/2012		Complies with:	
OTC	Yes	LEED® 09 CI	N/A
SCAQMD	No	LEED® 09 NC	N/A
CARB	Yes	LEED® 09 CS	N/A
CARB SCM2007	No	LEED® H	N/A
MPI #	No	HQSS	N/A

DESCRIPTION

Duration® Exterior Latex Coating is the result of advances in acrylic technology. Duration uses **PermaLast®** technology to provide you with the most durable and longest lasting coating available for protecting the outside of your home.

VinylSafe™ Color Technology allows the use of many darker colors on vinyl siding that cannot be made in most other coatings.

Performance

One Coat Protection
Self-Priming
Easy Application
Excellent Hiding
Thicker, More Flexible
Resists Blistering and Peeling

Projects

Homes
Windows
Gutters
Trim
Architectural plastics, such as shutters & gutters

Surfaces

Wood
Stucco
Masonry/Cement Composition Panels
Aluminum Siding
Vinyl Siding
Galvanized Metal

MILDEW RESISTANT. This coating contains agents that inhibit the growth of mildew on the surface of this coating.

CHARACTERISTICS

Color: Most colors
To optimize hide and color development, always use the recommended F-Shade primer

Coverage: 250-300 sq ft/gal
5.3 - 6.4 mils wet; 2.2 - 2.6 mils dry
up to 7.0 mils wet; 2.8 mils dft

Drying Time, @ 50% RH:

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

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

Flash Point: N/A
Finish: 10-20 @ 60°
Tinting with CCE:

Base	oz/gal	Strength
Extra White	0-8	125%
Light Yellow	4-15	125%
Deep Base	4-15	125%
Ultradeep Base	4-15	125%

Vehicle Type: Acrylic
K33W00151
VOC (less exempt solvents)
113 g/L; 0.94 lb/gal
Volume Solids: 41 ± 2%
Weight Solids: 53 ± 2%
Weight per Gallon: 10.5 lb
WVP Perms (US) 21.1
grains/(hr ft² in Hg)

CLEANUP INFORMATION

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

The *PermaLast* technology in **DURATION** coating, which creates the tenacious bond to the surface, also creates a tenacious bond to applicators and any other surface it comes in contact with. You may want to clean occasionally during use. After cleaning, flush spray equipment with mineral spirits to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using mineral spirits.

APPLICATION

Thoroughly follow the recommended surface preparations. Most coating failures are due to inadequate surface preparation or application. Thorough surface preparation will help provide long term protection with Duration coating. On repaint work, apply one coat of Duration coating; on bare surfaces, apply two coats of Duration, allowing 4 hours drying between coats.

Do not paint in direct sun. Apply at temperatures above 35°F. During application at temperatures above 90°F, Duration sets up quickly. Some adjustment in your painting approach may be required. Paint from a dry area into the adjoining wet coating area. Dries to touch in 1 hour and is ready for service overnight.

Previously Painted Surfaces – Spot prime bare areas with Duration, wait 4 hours, and paint the entire surface. Some specific surfaces require specialized treatment.

Unpainted Surfaces – Duration can be used as a self-priming coating on many bare surfaces. When used this way, the first coat of Duration acts like a coat of primer and the second coat provides the final appearance and performance. However, some specific surfaces require specialized treatment.

See following surface preparations.

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 2-3 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.

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

No reduction necessary.
Brush - Use a nylon/polyester brush.
Roller - Use a 3/8" – 3/4" nap synthetic cover.
Spray—Airless

Pressure	2000 psi
Tip	.015"-.019"
Reduction	none

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SnapDry™

Interior/Exterior Waterbased Satin & Semi-Gloss

A70B00100, A71B00100 Black, A70R00058, A71R00058 Real Red

SHERWIN WILLIAMS.

CHARACTERISTICS

SnapDry™ Interior/Exterior Waterbased Door & Trim Paint is designed for use on doors, trim, windows, and shutters. SnapDry is resistant to dirt, fingerprints and UV weathering. With Quick Dry Technology, you can close doors sooner and not worry about it sticking.

Color: Package Black & Real Red

To optimize hide and color development, always use the recommended P-Shade primer

Coverage: 350-400 sq. ft. per gallon @ 4 mils wet; 1.3 mils dry

7.0 wet mils maximum per coat

Drying Time, @ 77°F, 50% RH:

Touch:	1 Hour
Recoat:	2 Hours

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

Finish: Satin 15-25 @60°

Semi-Gloss 45-55 @60°

Tinting with CCE only:

Base:	oz./gal:	Strength:
Real Red	0-12	SherColor

Do not tint Black

Black A70B00100
(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:	32 ± 2%
Weight Solids:	35 ± 2%
Weight per Gallon:	8.69 lb
Flash Point:	N/A
Vehicle Type:	Acrylic latex
Shelf Life:	36 months unopened

Mildew Resistant

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

COMPLIANCE

As of 08/09/2019, 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® Certified	No
MIR: Product Lens Certified	No
MPI	No

APPLICATION

Surface, air, and substrate temperatures must be within a range of 50°F-90°F. Relative humidity must be between 40%-70%. Paints dry faster in higher temperatures, lower humidity, and when exposed to direct sunlight. When possible, paint in early morning or late afternoon. You may also be able to avoid direct sunlight while painting by opening the door into the home.

No reduction needed.

Preferred Brush:
Purdy XL, Purdy Clearcut 2—2 1/2 inch

Preferred Roller:
Purdy Jumbo Soft Woven 3/8 - 1/2 inch
Contractor Series Mohair 3/16" inch

Spray—Airless

Pressure	1500-2000 p.s.i.
Tip	.011-.015 inch

APPLICATION TIPS

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

When using SnapDry paint make sure any paint drips are smoothed out with a brush or roller within 5-10 minutes of application. If drips are noticed after 10 minutes of application, allow 1-2 hours to dry and use a putty knife or razor to remove the affected area. Lightly sand area if needed and repaint.

Allow SnapDry paint to dry before applying a second coat. When second coat is dry, remove all painter's tape, re-install your door hardware. While making brush or roller strokes, make sure the fresh paint you are overlapping is still wet. This will help you to avoid paint streaks.

SPECIFICATIONS

Apply 2 topcoats of **SnapDry** directly over existing properly prepared, interior or exterior coatings, or properly primed new interior or exterior surfaces as directed below.

Interior:

Wood
1 coat Premium Wall & Wood Primer

Interior & Exterior:

Aluminum & Galvanized
1 coat All Surface Latex Primer

Steel
1 coat All Surface Latex Primer

Exterior:

Wood, Composition Board
1 coat Exterior Oil-Based Wood Primer
or Exterior Latex Wood Primer

Plywood
1 coat Exterior Latex 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.

Due to the fast dry nature of Snap Dry, all quick dry waterbased and alkyd primers (those stating to recoat in as little as 1 hour) should be allowed to dry a minimum of 4 hours in good drying conditions. All other primers, follow the primer recommendations.

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SHERWIN WILLIAMS.

LOXON® CONDITIONER

A24-100 Series

As of 01/10/2012, Complies with:			
OTC	Yes	LEED® 09 CI	No
SCAQMD	Yes	LEED® 09 NC	No
CARB	Yes	LEED® 09 CS	No
MPI #	No	LEED® H	No
NSHE	No		

CHARACTERISTICS

Loxon® Conditioners are 100% acrylic emulsion conditioners that will penetrate and seal interior and exterior surfaces and bond light chalk to the surface. These sealers allow 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 8 to 13.

Color: Clear and Guide Coat White
Coverage: 200-300 sq ft/gal
Drying Time, @ 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

Flash Point: N/A
Finish: 0-10 units @ 85°
Tinting: up to 1 oz/gal
Vehicle Type: Acrylic

A24W00100
VOC (less exempt solvents):
95 g/L; 0.79 lb/gal
Volume Solids: 18 ± 2%
Weight Solids: 26 ± 2%
Weight per Gallon: 9.1 lb

SPECIFICATION

Concrete, Stucco, Block
1 ct. Loxon Conditioner
2 cts. Appropriate architectural topcoat within 7 days

For maximum resistance to efflorescence, you must topcoat with one of the Loxon or Loxon XP Coatings. Other topcoats can be used, but first apply Loxon Masonry Primer as an intermediate coat for best protection against efflorescence.

Loxon Conditioners must be topcoated within 7 days or the surface may need to be re-cleaned.

APPLICATION

Do not build a surface glaze.
Do not apply to a damp surface.
Do not apply over heavy chalk.
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.

No reduction necessary.

Brush
Use a nylon/polyester or foam brush.

Roller
Use a 3/8" to 3/4" nap synthetic cover.

Spray—Airless
Pressure ..... 700-1000 psi
Tip ..... .015" - .019"

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.

Concrete, Stucco, Block
All new surfaces must cure for at least 7 days. Remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, and form release and curing agents.

Mildew
Remove 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.

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SMART STRIP: Strips up to 15 Layers in a single application

1. *Product Description & Use:* SMART STRIP™ is a revolutionary paint remover that is safe for the user, the substrate and the environment. It is classified as non-hazardous, is pH neutral, contains no methylene chloride, caustic or V.O.C., and is 100% biodegradable. This water-based stripper is extremely effective for removing multiple layers of architectural and tough industrial coatings from virtually all exterior and interior surfaces – wood, brick, metal, concrete, stone, plaster, fiberglass, etc. SMART STRIP™ is exceptional for lead-based paint removal and for removal of marine coatings without damage to the gel coat. It is excellent for intricate, carved, or molded surfaces. Because it is a paste, it is easily applied by brush, roller, or conventional airless spray. SMART STRIP™ is formulated to remain wet and effective over extended periods of time and does not require the use of Peel Away® Paper. (Peel Away® Paper may be purchased separately when needed.) Dwell time will vary depending on the type of coating, number of layers, and temperature. For best results, allow paste to dwell overnight or longer. Remove softened/lifted paint using a scraper, taping knife, squeegee, or power washer. The stripped surface is then rinsed with water or denatured alcohol to remove remaining residue. Allow surface to dry thoroughly before repainting.

2. *Features & Benefits*
   - Safe: Formulated without methylene chloride, caustic, NMP or any toxic chemicals; will not burn skin.
   - Effective: Removes up to 15 layers of architectural and industrial coatings from any interior/exterior surface in a single application.
   - Environmentally Friendly: Water-based, 100% Biodegradable, Zero VOC, pH neutral; no TAPs or HAPs; no harmful odors or fumes.
   - Simple: Does not require neutralization or the use of Peel Away® Paper.

3. *Limitations:* For best results, surface temperatures should be 60°F – 95°F. Product can be applied as low as 37°F, however, efficiency/effectiveness are reduced and dwell time increases.

4. *Test Patch:* Always prepare a test area on each type of surface and paint coating prior to full application. Testing before beginning the project is the best way to ensure product suitability. This will also determine the proper thickness of the remover and the dwell time required for project completion.

5. *Preparation:* Mask/protect areas where stripping is not desired, including adjoining surfaces where overspray may travel. Polyethylene (plastic sheets) and masking tape create an effective barrier. Plants and other foliage should be covered or rinsed thoroughly before and during application. NOTE: SMART STRIP™ will not affect glass, aluminum, or plastic surfaces.

6. *Application & Spread Rate:* Using brush, roller or airless spray, apply approximately 1/16" to 1/8" thick (refer to test patch results) according to the age, number of layers, and type of coating being removed. Airless spray is the most cost effective way to apply product. Always start at the lowest pressure setting and slowly build pressure until an adequate fan pattern has been achieved. High pressure is not required or desired. When trying to build film thickness of the remover, two separate applications are recommended. Apply a light first coat and allow it to dwell for about 30 minutes. Then apply a second coat to build the film to the desired thickness. SMART STRIP™ provides an average spread rate of 45 - 50 sq. ft. per gallon; results may vary.

7. *Removal:* Remove softened/lifted paint using a scraper, taping knife, squeegee or power washer. Agitate tough to remove residue with a stiff nylon brush or scouring pad, paying particular attention to crevices, grooves and cracks. Exterior stripped surfaces should be rinsed thoroughly with a power washer. Interior surfaces can be rinsed using a spray bottle or pail, a sponge and water, or denatured alcohol to remove remaining residue.

8. *Clean Up:* Collect remover, paste and paint residue in plastic bags and dispose of in compli-

End