



SHERWIN-WILLIAMS®

Product Submittal

Galleon Dr Bridge

Presented By:
Frank Evans
Sales Representative

(239) 227-4686
frank.b.evans@sherwin.com

SHERWIN-WILLIAMS
3960 N TAMIAMI TRAIL
NAPLES, FL 34103 3506
(239) 262-5058

January 24, 2020

Exterior Finishes

Wood - Exterior

Primer: Y24W08020 - Exterior Oil-Based Wood Primer White

Topcoat: K48W00051 - Emerald Exterior Latex Satin Extra White

Other: LX51H0010 - SU 1H WHITE 10.1 OZ

Notes: Loxon H1 Hybrid Polyurethane sealant used throughout joints and seams

Composition Board (Hardboard)

Primer: B51W00150 - EX BOND PRM WH

Topcoat: K48W00051 - Emerald Exterior Latex Satin Extra White

Other: LX51H0010 - SU 1H WHITE 10.1 OZ

Notes: Loxon H1 Hybrid Polyurethane sealant used throughout joints and seams



SHERWIN-WILLIAMS®

Reference Pages

Data Pages



**SHERWIN
WILLIAMS.**

EXTERIOR OIL-BASED Wood Primer

Y24W8020 (US)
Y24WQ8820 (Canada)

As of 03/01/2017, Complies with:			
OTC	Yes	LEED® 09 CI	No
OTC Phase II	No	LEED® 09 NC	No
SCAQMD	No	LEED® 09 CS	No
CARB	Yes	LEED® V4 Emissions	No
CARB SCM2007	No	LEED® V4 VOC	No
Canada	Yes	MPI®	Yes

<u>DESCRIPTION</u>	<u>CHARACTERISTICS</u>	<u>SURFACE PREPARATION</u>
<p>Exterior Oil-Based Wood Primer is designed for blocking tannin, water, and other stains on exterior wood, manufactured siding, hardboard, rough sawn siding, and trim as a spot primer or overall primer.</p> <ul style="list-style-type: none"> Penetrates and seals bare wood for strong adhesion and a long lasting finish Blocks stains from water, wood tannins and knots Resists mildew <p>For use on these surfaces:</p> <ul style="list-style-type: none"> Pine Fir Cedar Redwood Oak Maple Ash Hardboard Primed Metal Previously Painted Surfaces <p>Mildew Resistant This coating contains agents which inhibit the growth of mildew on the surface of this coating film.</p>	<p>Color: White Coverage: 350 - 400 sq ft/gal @ 4 mils wet; 2.3 mils dry</p> <p>Drying Time, @ 50% RH: @ 35-45°F @ 45°F+ Touch: 4-8 hours 2-4 hours Recoat: 24-48 hours 24 hours <small>Drying and recoat times are temperature, humidity and film thickness dependent.</small></p> <p>Flash Point: 115°F, PMCC Finish: 0-18 units @ 85° Vehicle Type: Alkyd</p> <p style="text-align: center;">Y24W08020</p> <p>VOC (less exempt solvents): 317 g/L; 2.64 lb/gal <small>As per 40 CFR 59.406 and SOR/2009-264, s.12</small></p> <p>Volume Solids: 59 ± 2% Weight Solids: 77 ± 2% Weight per Gallon: 11.42 lb WVP Perms (US) 2.7 grains/(hr ft² in Hg)</p> <p>Tinting Requires Blend-A-Color Toner for tinting. For best color development, use the recommended "P"-shade primer. If desired, up to 4 oz per gallon of Blend-A-Color Toner can be used to approximate the topcoat color. Check color before use.</p> <p>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.</p> <p>For exterior exposure, this primer must be topcoated within 14 days with architectural latex or oil finishes.</p>	<p>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.</p> <p>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. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.</p> <p>Seal stains from water, smoke, ink, pencil, grease, etc. with an appropriate primer sealer.</p> <p>Wood, Composition Board - Sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth. Spot prime knots and sap streaks.</p> <p>On woods that present potential tannin bleeding, such as redwood and cedar, Exterior Oil-Based Wood Primer can be used. Care must be taken to determine if tannins will be activated by the solvent in the coating. To test for bleeding, coat a 4 foot by 4 foot section with the primer. If no bleeding is evident within 4 hours, proceed with complete priming. If bleeding occurs, use Exterior Latex Wood Primer.</p>

EXTERIOR OIL-BASED Wood Primer

Y24W8020 (US)
Y24WQ8820 (Canada)



<u>SURFACE PREPARATION</u>	<u>APPLICATION</u>	<u>CAUTIONS</u>
<p>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.</p> <p>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.</p> <p>Caulking Fill gaps between windows, doors, trim, and other through-wall openings with the appropriate caulk after priming the surface.</p>	<p>Apply at temperatures above 35°F. No reduction necessary.</p> <p>Brush Use a natural bristle brush</p> <p>Roller Use a 3/8" - 3/4" nap synthetic cover</p> <p>Airless Spray Pressure2000 psi Tip..... .019"-.021"</p> <p><u>CLEANUP INFORMATION</u></p> <p>Clean spills, spatters, and tools immediately with compliant clean up solvent. Follow manufacturer's safety recommendations when using solvents.</p> <p>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.</p>	<p>For exterior use only. Non-photochemically reactive. Not for use on horizontal surfaces, such as a roof, deck, or floor, or where water may collect.</p> <p>Before using, carefully read CAUTIONS on label.</p> <p>HOTW 03/01/2017 Y24W08020 34 317 FRC</p> <p>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 or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.</p>



**SHERWIN
WILLIAMS.**

102.26 SA

EMERALD[®]
Exterior Acrylic
Satin
K48 Series

As of 11/28/2017, Complies with:			
OTC	Yes	LEED [®] 09 NC, CI	N/A
OTC Phase II	Yes	LEED [®] 09 CS	N/A
SCAQMD	Yes	LEED [®] 09 H	N/A
CARB	Yes	LEED [®] v4 Emissions	No
CARB SCM2007	Yes	LEED [®] v4 VOC	Yes
Canada	Yes	MPI	Yes

CHARACTERISTICS

Emerald Exterior Acrylic Latex is our “Best-In-Class” exterior architectural house paint.

- Excellent durability, resistant to blistering, peeling and dirt pick-up
- Excellent application, flow and leveling
- Self-priming (2 coats new construction, 1 coat repaint)
- Low temp application – down to 35°F
- Uses a patented cross-linking 100% acrylic technology

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: 250 - 300 sq ft/gal
@ 5.3-6.4 mils wet; 2.1-2.6 mils dry

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

@ 35-45°F @ 45°F+

Touch: 2 hour 1 hours

Recoat: 24-48 hours 4 hours

Finish: 10-20 units @ 60°

Tinting with CCE only:

Base	oz/gal	Strength
Hi Refl White	0-7	SherColor
Extra White	0-7	SherColor
Deep Base	4-14	SherColor
Ultradeep Base	10-14	SherColor
Light Yellow	0-14	SherColor
Vivid Yellow	0-14	SherColor
Primary Red	0-14	SherColor

Extra White K48W00051
(may vary by base)

VOC (less exempt solvents):

<50 g/L; <0.42 lb/gal

As per 40 CFR 59.406 and SOR/2009-264, s.12

Volume Solids: 40 ± 2%

Weight Solids: 53 ± 2%

Weight per Gallon: 10.67 lb

Flash Point: N/A

Vehicle Type: 100% Acrylic

WVP Perms (US) 19.50

grains/(hr ft² in Hg)

Mildew Resistant

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

SPECIFICATIONS

Emerald Exterior Acrylic Latex is self-priming on most surfaces.

Apply 2 coats on new, bare substrates or 1 coat for repaint.

Use on these properly prepared surfaces:

- Aluminum & Aluminum Siding¹
- Galvanized Steel¹
- Concrete Block
- Split face Block
- Brick
- Cement Composition Siding/Panels
- Stucco
- Concrete
- Plywood
- Wood
- Vinyl Siding

Surfaces with a pH greater than 9 must be primed with a high pH-resistant coating such as Loxon Concrete & Masonry Primer/Sealer.

The appearance of textured surfaces such a block, will be improved with the use of Loxon Block Surfer.

Standard latex primers cannot be used below 50°F. See specific primer label for that product's application limitations.

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, the first coat of Emerald Coating may show some staining, but it will be trapped in the first coat. A second coat will uniform the appearance. If staining persists, spot prime severe areas with 1 coat of Exterior Oil-Based Wood Primer then topcoat with Emerald Coating.

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

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.

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.

Caulking

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

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. After power washing, previously painted masonry may still have a powdery surface that should be sealed with Loxon Conditioner and then apply 1 coat of Emerald.

Composition Board/Hardboard

Because of the potential for wax bleeding out of the substrate, apply 1 coat of Exterior Oil-Based Wood Primer and then topcoat.



EMERALD[®]
Exterior Acrylic
Satin
K48 Series

<u>SURFACE PREPARATION</u>	<u>SURFACE PREPARATION</u>	<u>CAUTIONS</u>
<p>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.</p> <p>Previously Painted Surfaces-Spot prime bare areas with Emerald, wait 4 hours, and paint the entire surface. Some specific surfaces require specialized treatment.</p> <p>Steel- Rust and mill scale must be removed using sandpaper, steel wool, or other abrading method. Bare steel must be primed the same day as cleaned.</p> <p>Masonry/Stucco-Remove any loose stucco, efflorescence, or laitance. Allow new masonry/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.</p> <p>Unpainted Surfaces-Emerald can be used as a self-priming coating on many bare surfaces. When used this way, the first coat of Emerald acts like a coat of primer and the second coat provides the final appearance and performance.</p> <p>*Vinyl or other PVC Building Products 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 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.</p>	<p>Wood- Sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth. All 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, the first coat of EMERALD may show some staining, but it will be trapped in the first coat. A second coat will uniform the appearance. If staining persists, spot prime severe areas with 1 coat of Exterior Oil-Based Wood Primer prior to using EMERALD.</p> <p style="text-align: center;"><u>APPLICATION</u></p> <p>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 Emerald coating. On repaint work, apply one coat of Emerald coating; on bare surfaces, apply two coats of Emerald, allowing 4 hours drying between coats. Do not paint in direct sun. Apply at temperatures above 35°F. During application at temperatures above 80°F, Emerald 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. 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.</p> <p>Brush Use a nylon/polyester brush.</p> <p>Roller Use a high quality polyester roller cover.</p> <p>Spray—Airless Pressure 2000 psi Tip015"-.019"</p>	<p>For exterior use only. Protect from freezing. Non-photochemically reactive.</p> <p>Before using, carefully read CAUTIONS on label.</p> <p>HOTW 11/28/2017 K48W00051 18 00 KOR, FRC,SP, VIET</p> <p style="text-align: center;"><u>CLEANUP INFORMATION</u></p> <p>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.</p> <p>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 or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.</p>

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.

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.

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

ASTM TEST DATA

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.

LOXON™ H1 One Component Low Modulus Hybrid Sealant

LIMITATIONS

Not recommended for:

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

LOXON™ 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.

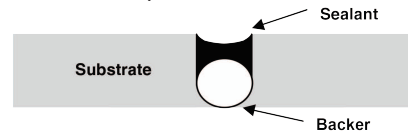
Cured sealant can be painted with emulsion or synthetic enamel paints. LOXON™ H1 will be virtually unaffected by contact with water after cure on non-porous substrates.

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



SURFACE PREPARATION:

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

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).

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

LOXON™ H1 One Component Low Modulus Hybrid Sealant

- 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.

LOXON™ H1 One Component Low Modulus Hybrid Sealant

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

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

Performance Tips:

- Prevent Loxon™ 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 silicone sealants.
- Protect unopened containers from direct sunlight and heat.
- In cool or cold weather, store container(s) at room temperature for at least 24 hours, before using.
- Loxon™ 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.



**SHERWIN
WILLIAMS.**



108.51

EXTREME BOND™

Interior/Exterior Bonding Primer

B51W00150 (US)
B51WQ0150 (Canada)

As of 12/08/2016, Complies with:			
OTC	Yes	LEED® 09 NC, CI	Yes
OTC Phase II	Yes	LEED® 09 CS	Yes
SCAQMD	Yes	LEED® 09 H & S	Yes
CARB	Yes	LEED® v4 Emissions	Yes
CARB SCM 2007	Yes	LEED® v4 VOC	Yes
Canada	Yes	MPI	Yes

CHARACTERISTICS

Extreme Bond Primer is a high quality, waterborne, acrylic, primer. Designed for coating hard, slick, glossy surfaces with minimal surface preparation.

Because of the exceptional adhesion of this product, sanding may not be necessary for most clean, paintable surfaces.

- Promotes adhesion on hard to paint surfaces
- Tightly bonds to slick and glossy surfaces
- Assures uniform appearance of topcoats
- One coat application
- Fast dry
- Universal, will accept Hi-Performance coatings such as epoxies and urethanes
- Assures adhesion of the topcoat to slick, glossy surfaces

Interior & Exterior for use on these surfaces:

- PVC Piping
- Plastics
- Glass
- Wall Laminate
- Glossy Surfaces
- Aluminum
- Kitchen Cabinets
- Fiberglass
- Varnished Woodwork
- Ceramic Wall Tile
- Previously Painted Surfaces
- Glazed Block
- Fluoropolymer coatings

EXTERIOR USE

When priming larger exterior pre-finished metal surfaces where exterior maximum adhesion is needed, use DTM Bonding Primer.

CHARACTERISTICS

Color: White Base

Coverage: 450-500 sq ft/gal (11.04-12.27 m²/L)
@ 3.1 mils wet; .9 mils dry

Drying Time, @ 77°F(25°C), 50% RH:
Drying and recoat times are temperature, humidity and film thickness dependent.

Touch: 30 minutes

Recoat: as a primer 1 hour

as a stain sealer: 4 hours

with a Hi-Performance Finish 24 hours

Flash Point: N/A

Finish: 0-5 units @ 60°

Tinting with CCE only:

Base oz/gal Strength

White 0 - 2 Sher-Color

Vehicle Type: Acrylic

B51W00150

VOC (less exempt solvents): <50 g/L; <0.42 lb/gal
As per 40 CFR 59.406 and SOR/2009-264, s.12

Volume Solids: 30 ± 2%

Weight Solids: 47 ± 2%

Weight per Gallon: 10.93 lb (4.96 kg)

Tinting

May be tinted with no more than 2 oz. of ColorCast Ecotoner® per gallon. Do not exceed 2 ounces per gallon of total colorant. Check color before use. For best topcoat color development, use the recommended "P"-shade primer.

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. See Exterior Use if priming pre-finished metal surfaces.

Must be topcoated within 14 days with oil/alkyd, latex, epoxy, urethane, and lacquer topcoats.

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. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Testing - On hard, slick, glossy, or otherwise hard to paint surfaces, after preparing the surface, apply a test area of this primer, allow to dry properly and test for adhesion. Because of the exceptional adhesion of this product, sanding may not be necessary for most clean, paintable surfaces.

Sanding or dulling with an abrasive cleaner is recommended on glossy, extremely hard surfaces for maximum adhesion.

Stains from heavy water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer.



**SHERWIN
WILLIAMS.**

EXTREME BOND™

Interior/Exterior Bonding Primer

B51W00150 (US)
B51WQ0150 (Canada)

<u>SURFACE PREPARATION</u>	<u>SURFACE PREPARATION</u>	<u>CAUTIONS</u>
<p>Due to the wide variety of substrates, surface preparation methods, application methods, and environments, one should test the complete system for adhesion, compatibility and performance prior to full scale application.</p> <p>Aluminum and Galvanized Wash to remove any oil, grease, or other surface contamination. All corrosion must be removed with sandpaper, wire brush, or other abrading methods.</p> <p>Ceramic Tile/ Glazed Block and Brick/ Porcelain After removing all surface contamination, the surface should be scuff sanded or scrubbed with an abrasive cleaner to dull the surface for best adhesion. Tile - Tile, laminate, ceramic and plastic tiles, and similar glossy surfaces, must be free of all oil, grease, and soap residue. Glass Apply Extreme Bond directly to glass that has been thoroughly cleaned.</p> <p>CAUTION: Any opaque coating will block light, which then causes an increase in the surface temperature of the glass. Dark colors will get hotter than light colors. In tightly fitted glass, any increase in the temperature of the glass will cause some expansion of the glass, which may cause it to shatter.</p> <p>Plastic/Vinyl/PVC/Fiberglass/ Formica After removing all surface contamination, the surface should be scuff sanded or scrubbed with an abrasive cleaner to dull the surface for best adhesion.</p> <p>Plastic: Due to the diverse nature of plastic substrates, a coating or coating system must be tested for acceptable adhesion to the substrate prior to use in production. Reground and recycled plastics along with various fire retardants, flowing agents, mold release agents, and foaming/blowing agents will affect coating adhesion. Please consult your Sherwin- Williams Representative for system recommendations.</p>	<p>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.</p> <p>Do not use hydrocarbon containing solvents such as mineral spirits. When cleaning the surface use only a waterbased emulsifying detergent.</p> <p style="text-align: center;"><u>APPLICATION</u></p> <p>When the air temperature is at 35°F(1.7°C) substrates may be colder; prior to painting, check to be sure the air, surface, and material temperature are above 35°F(1.7°C) and at least 5°F above the dew point. Avoid using if rain or snow is expected within 2-3 hours. Air and surface temperatures must not drop below 35°F(1.7°C) for 48 hours after application.</p> <p>Do not reduce for stain blocking. No reduction necessary. Brush - Use a nylon/polyester brush. Roller - Use a 3/8" nap soft woven roller cover. Spray—Airless Pressure..... 2000 psi Tip015"-.021"</p>	<p><u>CAUTIONS</u></p> <p>Protect from freezing. Non-photochemically reactive. Do not use this product in areas subject to excessive water, e.g., in showers, around sinks, or on tubs. Not for use on floors. For large exterior pre-finished metal surfaces such as siding, use DTM Bonding Primer. Do not use on large surfaces of exterior wood. Does not adhere to polypropylene, polyethylene, or thermoplastic polyolefins.</p> <p>HOTW 12/08/2016 B51W00150 06 00 SP, FRC</p> <p style="text-align: center;"><u>CLEANUP INFORMATION</u></p> <p>Clean spills, spatters, hands and tools 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.</p> <p>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 or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.</p>