



SHERWIN-WILLIAMS®

Reference Pages

Data Pages

LOXON™ S1

One Component Smooth Polyurethane Sealant



**SHERWIN
WILLIAMS.**

PRODUCT DESCRIPTION

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

APPLICATIONS

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

SUBSTRATES

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

SWRI SEALANT • WATERPROOFING & RESTORATION INSTITUTE

Issued to: Sherwin Williams®
Product: Loxon™ S1 Smooth Polyurethane Sealant

C719: Pass Ext:+35% Comp:-35%

Substrate: Primed Mortar; Unprimed Glass, Aluminum
(Primer Coat Loxon™ Quick Dry Primer was applied to mortar substrate)

Validation Date: 11/04/16 - 11/03/21

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SEALANT VALIDATION
www.swrionline.org

Meets or exceeds the following specifications:

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

PRODUCT AVAILABILITY*

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

* Not all products are stocked in all DSCs.

ASTM TEST DATA

TABLE 1: TYPICAL UNCURED PROPERTIES*

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

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

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

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

The physical properties of fully cured Loxon™ S1 will remain relatively unchanged over a temperature range of -40° F to 180° F.

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LIMITATIONS

Not recommended for:

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

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

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

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

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

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

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

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

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

TECHNICAL DATA:

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

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

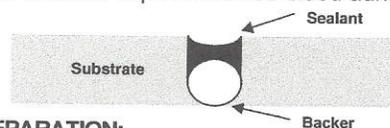
Cured sealant can be painted with emulsion or synthetic enamel paints. LOXON™ S1 will be virtually unaffected by contact with water after cure on non-porous substrates.

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

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

INSTALLATION: JOINT DESIGN AND PREPARATION

Joint design depends on a variety of factors, such as the maximum expansion and contraction of the substrate from thermal change. Recommended maximum joint width should not exceed 1-1/2" (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.

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 (SUPRIQD13).

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

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

METHOD OF APPLICATION:

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

TOOLING:

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

PAINTING:

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

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

CLEANING:

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

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

CAUTIONS

Danger. Harmful if inhaled. May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause cancer. May damage fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Do not breathe dust. Avoid breathing vapors. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves. Use personal protective equipment as required. In case of inadequate ventilation wear respiratory protection. **Response: IF ON SKIN:** Wash with plenty of soap and water. Wash contaminated clothing before reuse. **IF INHALED:** If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. IF exposed or concerned: Get medical attention. Get medical attention if you feel unwell. If skin irritation or rash occurs: Get medical attention. If experiencing respiratory symptoms: Call a **POISON CENTER** or physician. **Storage:** Store locked up. **Disposal:** Dispose of contents and container in accordance with all local, regional, national and international regulations. Please refer to the SDS for additional information. Do not transfer contents to other containers for storage. **VAPOR AND SPRAY MIST HARMFUL.** Gives off harmful vapor of solvents and isocyanates. **DO NOT USE IF YOU HAVE CHRONIC (LONG-TERM) LUNG OR BREATHING PROBLEMS, OR IF YOU HAVE EVER HAD A REACTION TO ISOCYANATES. USE ONLY WITH ADEQUATE VENTILATION. WHERE OVERSPRAY IS PRESENT, A POSITIVE PRESSURE AIR SUPPLIED RESPIRATOR (NIOSH approved) SHOULD BE WORN TO PREVENT EXPOSURE. IF UNAVAILABLE, AN APPROPRIATE PROPERLY FITTED APPROVED NIOSH VAPOR/PARTICULATE RESPIRATOR MAY BE EFFECTIVE.** Follow directions for respirator use. Wear the respirator for the whole time of spraying and until all vapors and mists are gone. If you have any breathing problems during use, **LEAVE THE AREA** and get fresh air. If problems remain or happen later, **IMMEDIATELY** call a doctor - If not available get emergency medical treatment. Have this label with you. **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.** Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 99.5%.

LOXON™ S1 One Component Smooth Polyurethane Sealant

SHELF LIFE:

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

LIMITED WARRANTY

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

Performance Tips:

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

Coverage in Lineal Feet One cartridge (10.1fl. Oz)				
Depth in Inches				
		1/4"	3/8"	1/2"
Width in inches	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.



GREENGUARD GOLD certification – the strictest standard for indoor air quality (UL / independent lab tested).



**SHERWIN
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LOXON[®] XP

Waterproofing Masonry Coating

LX11W0051 Extra White
LX11W0053 Deep Base
LX11T0054 Ultradeep Base
LX11Y0056 Light Yellow

<u>SURFACE PREPARATION</u>	<u>SURFACE PREPARATION</u>	<u>CAUTIONS</u>
<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. 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.</p> <p>Concrete, CMU, Stucco 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. Concrete and mortar must be cured at least 7 days at 75°F. Fill bugholes, air pockets, cracks, and other voids with an elastomeric patch or sealant. Rough surfaces can be filled to provide a smooth surface.</p> <p>Incidental Metal Wash to remove any oil, grease, or other surface contamination. All corrosion must be removed with sandpaper, wire brush, or other abrading method. Primer required.</p> <p>Incidental 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. Primer required.</p>	<p>Sealing and Patching—After cleaning the surface thoroughly, prime the concrete surface with Loxon XP, apply an elastomeric patch or sealant if needed, allow to dry, then topcoat.</p> <p>To improve the performance consider:</p> <ul style="list-style-type: none"> • Use caution when preparing the substrate to create a uniform surface. • Cracks, crevices, and through-wall openings must be patched with an elastomeric patch or sealant. • Fill voids and openings around window and doors with an elastomeric patch or sealant. • Stripe coat all inside and outside corners and edges with 1 coat of Loxon XP coating. <p style="text-align: center;"><u>APPLICATION</u></p> <p>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.</p> <p>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.</p> <p>Do not reduce.</p> <p>Brush - Use a nylon/polyester brush.</p> <p>Roller - Use a ½" to 1½" nap synthetic roller cover.</p> <p>Airless Spray Pressure, minimum 2300 psi Tip, minimum..... .021"</p> <p>The substrate and its condition will determine the application procedure. Considerations to minimize pinholes:</p> <ul style="list-style-type: none"> • 2 coat application with overnight drying between coats • Spray application with backrolling • Power rolling <p>Spray and backroll on porous & rough stucco to achieve required film build and a pin-hole free surface.</p>	<p>CAUTIONS</p> <p>For exterior use only. Protect from freezing. Non-photochemically reactive. Not for use on horizontal surfaces (floors, roofs, decks, etc.) where water will collect. Not for use below grade. Will not withstand hydrostatic pressure.</p> <p>Before using, carefully read CAUTIONS on label.</p> <p>HOTW 03/05/2018 LX11W0051 20 00 FRC, SP</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>



**SHERWIN
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102.01

SUPERPAINT[®]

Exterior Latex Flat

A80W00116 Super White
A80W01151 Extra White
A80W00153 Deep Base
A80T01154 Ultradeep Base
A80Y00156 Light Yellow

As of 03/08/2018, Complies with:			
OTC	Yes	LEED [®] 09 NC CI	N/A
OTC Phase II	Yes	LEED [®] 09 CS	N/A
SCAQMD	Yes	LEED [®] v4 Emissions	N/A
CARB	Yes	LEED [®] v4 VOC	Yes
CARB SCM2007	Yes		
Canada	Yes	MPI	Yes

CHARACTERISTICS

SuperPaint Exterior Latex Flat, with resistance to early dirt pick up, provides outstanding performance on properly prepared aluminum and vinyl siding, wood, hardboard, masonry, cement, brick, block, stucco, 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
To optimize hide and color development, always use the recommended P-Shadow primer

Coverage: 350 - 400 sq ft/gal
@ 4 mils wet; 1.4 mils dry

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

Finish: 0-5 units @ 85°

Tinting with CCE:

Base	oz/gal	Strength
Extra White	0-6	SherColor
Deep Base	4-12	SherColor
Ultradeep Base	10-12	SherColor
Light Yellow	2-12	SherColor

Extra White A80W01151

(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: 36 ± 2%

Weight Solids: 53 ± 2%

Weight per Gallon: 11.38 lb

Flash Point: N/A

Vehicle Type: 100% Acrylic

WVP Perms (US) 33.14

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

SuperPaint Exterior Latex Flat can be self-priming when used directly over existing coatings, or bare drywall, plaster and masonry (with a cured pH of less than 9). The first coat acts like a coat of primer and the second coat provides the final appearance and performance. Please note that some specific surfaces require specialized treatment.

Aluminum & Aluminum Siding¹, Galvanized Steel¹, Vinyl Siding

2 cts. SuperPaint Exterior Latex

Concrete Block, CMU, Split Face Block

1 ct. Loxon Block Surfer

2 cts. SuperPaint Exterior Latex

Brick

1 ct. Loxon Conditioner²

2 cts. SuperPaint Exterior Latex

Cement Composition Siding/Panels

1 ct. Loxon Concrete & Masonry Primer²

or Loxon Conditioner²

2 cts. SuperPaint Exterior Latex

Stucco, Cement, Concrete

1 ct. Loxon Concrete & Masonry Primer²

2 cts. SuperPaint Exterior Latex

Plywood

1 ct. Exterior Latex Wood Primer

2 cts. SuperPaint Exterior Latex

Wood (Cedar, Redwood)³

1 ct. Exterior Oil-Based Wood Primer²

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

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

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.

SUPERPAINT®

Exterior Latex Flat

- A80W00116 Super White
- A80W01151 Extra White
- A80W00153 Deep Base
- A80T01154 Ultradeep Base
- A80Y00156 Light Yellow



<u>SURFACE PREPARATION</u>	<u>SURFACE PREPARATION</u>	<u>CAUTIONS</u>
<p>Masonry, Concrete, 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 can 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.</p> <p>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.</p> <p>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.</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>For exterior use only. Protect from freezing. Non-photochemically reactive. Not for use on floors.</p> <p>Before using, carefully read CAUTIONS on label.</p> <p>HOTW 03/08/2018 A80W01151 33 38 KOR, FRC, Viet</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, 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.</p>	<p style="text-align: center;"><u>APPLICATION</u></p> <p>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. No reduction necessary. Brush Use a nylon/polyester brush. Roller Use a 3/8" - 3/4" nap synthetic cover. Spray—Airless Pressure 2000 psi Tip015"-.019"</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>		



KEM KROMIK[®] UNIVERSAL METAL PRIMER

B50NZ0006 BROWN
B50WZ0001 OFF WHITE
B50AZ0006 GRAY

As of 01/16/2018, Complies with:			
OTC	No	LEED [®] 09 NC, CI	No
OTC Phase II	No	LEED [®] 09 CS	No
SCAQMD	No	LEED [®] 09 S	No
CARB	No	LEED [®] v4 Emissions	No
CARB SCM 2007	No	LEED [®] v4 VOC	No
Canada	No	MPI	Yes

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.

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

For use on properly prepared:

- Steel

Recommended for use in:

- Shopcoat primer
- Maintenance primer
- Structural steel
- Machinery
- Marine vessels
- Barrier coating
- Hand rail
- Storage tanks
- Bar joists
- Steel pipe

Tinting:

DO NOT TINT

Shelf Life:

36 months, unopened

Finish:

Flat

White B50WZ0001

(may vary by base)

VOC(less exempt solvents) 389 g/L - 3.24 lb/gal
(as per 40 CFR 59.406 and SOR/2009-264, s. 12)

Volume Solids: 55 ± 2%

Weight Solids: 75 ± 2%

Weight per Gallon: 12.86 lb/gal ± .2 lb

Flash Point: 80°F PMCC

Brown B50NZ0006

(may vary by base)

VOC(less exempt solvents) 409 g/L - 3.24 lb/gal
(as per 40 CFR 59.406 and SOR/2009-264, s. 12)

Volume Solids: 53 ± 2%

Weight Solids: 73 ± 2%

Weight per Gallon: 12.62 lb/gal ± .2 lb

Flash Point: 80°F PMCC

SPECIFICATIONS

Color: White, Brown & Gray

Recommended Spread Rate per coat: White B50WZ0001 (varies by base)

wet mils: 6.0 - 8.0

dry mils: 3.3 - 4.4

coverage: 267- 200 sq ft/gal approximate

Theoretical coverage: 882 sq ft/gal @ 1 mil dry

Drying Schedule @ 6.0 mils wet, 50% RH:

	@ 40°F/4.5°C	@ 77°F/25°C	@ 110°F/43°C
To touch:	2 hours	30 minutes	15 minutes
Tack handle:	2.5 hours	1 hours	20 minutes
To recoat: with itself & alkyds	2.5 hours	1 hours	45 minutes
To recoat:*	36 hours	16 hours	16 hours
To cure:	7 days	7 days	7 days

* Recoat with hot solvents or high performance coatings. For maximum adhesion, acrylic topcoats require 48 - 72 hours drying of primer. Drying and recoat times are temperature, humidity, and film thickness dependent.

RECOMMENDED SYSTEMS

Steel:

1ct. Kem Kromik Universal Primer
1-2 cts. Topcoat

Acceptable Topcoats:

Acrolon 218 HS Polyurethane

Hi-Solids Polyurethane

Industrial Enamel

Macropoxy HS Epoxy

Metalatex Semi-Gloss Enamel

Pro Industrial Acrylic

Pro Industrial DTM 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 topcoats may be appropriate.

System: (unless otherwise indicated)

Substrate: Steel

Surface Preparation: SSPC-SP6/NACE 3

Primer: 1ct. Kem Kromik Universal Metal Primer, @ 3.0 - 4.4 mils dft/ct.

Adhesion¹:

Method: ASTM D3359

Result: 4B

Corrosion Resistance¹:

Method: ASTM D5894, 1008

Result: Pass

Dry Heat Resistance:

Method: ASTM D2485

Result: 200°F

Flexibility¹:

Method: ASTM D522,

1/4" mandrel

Result: Pass

Fineness of grind²:

Method: Hegman

Result: 4 Hegman minimum

Sag Test²:

Method: ASTM D4400

Result: 12 mils minimum

Viscosity²: 84-94 KU

Water Resistance¹:

Result: Pass

¹ 1ct. Kem Kromik Primer 4.5-5 WFT ² Standard test based on Certificate of Analysis



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.

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.

APPLICATION PROCEDURES

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.

SAFETY PRECAUTIONS

Refer to the SDS sheets 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.

PERFORMANCE TIPS

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.

APPLICATION

Refer to the SDS sheet before use
Temperature: 40°F(4.5°C) minimum
120°F(49°C) maximum
(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
Clean Up Xylene, R2K4

Airless Spray

Pressure 1800-3000 psi
Hose 1/4" ID
Tip015-.019"
Filter 60 mesh

Conventional Spray

Gun Binks 95
Fluid Nozzle 63C
Air Nozzle 63PB
Atomization Pressure 50 PSI
Fluid Pressure 15-20 PSI

Brush Natural Bristle

Roll 3/8" woven with solvent resistant core

If specific application equipment is not listed above, equivalent equipment may be substituted

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 01/16/2018 B50NZ0006 38 409
HOTW 01/16/2018 B50WZ0001 39 389
HOTW 01/16/2018 B50AZ0006 20 386

SP



KEM[®] 4000 ACRYLIC ALKYD ENAMEL

B55W00311 EXTRA WHITE
B55T00304 CLEAR TINT BASE
B55B00300 BLACK
B55R00300 SAFETY RED
B55Y00300 SAFETY YELLOW
V70V00411 ACRYLIC MODIFIER
V66V01020 EXTERIOR CATALYST

As of 07/25/2017, Complies with:			
OTC	No	LEED [®] 09 NC, CI	No
OTC Phase II	No	LEED [®] 09 CS	No
SCAQMD	No	LEED [®] 09 S	No
CARB	No	LEED [®] v4 Emissions	No
CARB SCM 2007	No	LEED [®] v4 VOC	No
Canada	No	MPI	

CHARACTERISTICS

KEM 4000 is a higher solids, gloss, general purpose acrylic alkyd enamel coating intended for industrial applications. It is ideal for interior or exterior applications, the refinishing of industrial, construction, and agricultural equipment, as well as a wide range of general metal applications.

Features:

- Interior/Exterior applications
- Fast return to service
- Formulated for fast drying and curing
- Excellent block resistance
- Fast handling times
- Suitable for use in USDA inspected facilities

For use on properly prepared:

- Steel
- Galvanized
- Aluminum

Recommended for use in:

- Interior / exterior
- Machinery
- Bar joists
- Piping
- Farm equipment
- Equipment
- Steel supports
- Steel decking
- Steel doors

Tinting with Maxitoner:

Base	oz/gal	Strength
Extra White	0 - 4	100%
Clear Tint Base	10 - 12	100%

Check color before using. Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color.

Shelf Life: 24 months, unopened
Finish: 80⁺@60° Gloss

Extra White B55W00311
(may vary by base)

VOC (less exempt solvents) 384 g/L - 3.21 lb/gal
(as per 40 CFR 59.406 and SOR/2009-264, s. 12)

Volume Solids: 54 ± 2%
Weight Solids: 68 ± 2%
Weight per Gallon: 10.07 lb/gal ± .2 lb
Flash Point: 97°F PMCC

SPECIFICATIONS

Color: Extra White, Clear Tint Base, Black, Safety Red & Safety Yellow
Recommended Spread Rate per coat: Extra White B55W00311 (varies by base)

wet mils: 4.0 - 5.0
dry mils: 2.1 - 2.7
coverage: 412 - 320 sq ft/gal approximate

Theoretical coverage: 866 sq ft/gal @ 1 mil dry

Drying Schedule @ 4.0 mils wet, 50% RH:

	@ 50°F/10°C	@ 77°F/25°C	@ 120°F/49°C
To touch:	25 minutes	20 minutes	10 minutes
Tack Free:	90 minutes	60 minutes	30 minutes
Block resistance:	24 hours	6 hours	3 hours
To recoat*:	<4 or >24 hours	<2 or >24 hours	<2 or >24 hours
To cure:	7 days	7 days	5 days

* **Critical:** A critical recoat time may occur between 2 hrs and 24 hrs when the temperature is above 50°F (10°C). (Force drying, film thickness and varying humidity conditions may change critical recoat time). Recoating should be tested on small areas under actual application conditions. Drying and recoat times are temperature, humidity, and film thickness dependent.

RECOMMENDED SYSTEMS

Steel, Light Service:

1ct. Kem 4000 Enamel

Steel, Moderate Service:

2cts. Kem 4000 Enamel

Steel Alkyd Primer:

1ct. Kem Bond HS

Or

1ct. Kem Kromik Universal Metal Primer

1-2cts. Kem 4000 Enamel

Steel Acrylic Primer:

1ct. Pro Industrial Pro-Cryl Universal Primer

1-2cts. Kem 4000 Enamel

Aluminum & Galvanize Steel Acrylic Primer:

1ct. Pro Industrial Pro-Cryl Universal Primer

1ct. Kem 4000 Enamel

Aluminum:

1ct. DTM Wash Primer

1ct. Kem 4000 Enamel

Galvanized Metal:

1ct. Galvite HS

1ct. Kem 4000 Enamel

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

System: (unless otherwise indicated)

Substrate: Steel
Surface Preparation: SSPC-SP10
1 ct. Kem Bond HS Primer @ 4.8-5.0 mils
Finish: Kem 4000, B55W00311 @ 2.3 mils dft/ct.
*unless otherwise noted below

Adhesion:

Method: ASTM D4541

Result: >1000 psi

Density¹:

Result: 9.74-10.14

Dry Heat Resistance:

Method: ASTM D2485

Result: 200°F (discolors)

Exterior Durability:

Result: Good

Fineness of grind¹:

Method: Hegman

Result: 6 Hegman minimum

Salt Fog Resistance:

Method: ASTM B117, 500 hours

Result: Rating 10 per ASTM D610 for rusting (field); Rating 8D per ASTM D714 for blistering

Sag Test¹:

Method: ASTM D4400

Result: 10 mils minimum

Viscosity¹: 80-90 KU

¹Standard test based on Certificate of Analysis



KEM® 4000 ACRYLIC ALKYD ENAMEL

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.

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). Coat any bare steel within 8 hours or before flash rusting occurs.

Aluminum (Untreated) - Remove all oil, grease, dirt, oxide and other foreign material by Solvent Cleaning per SSPC-SP1. Primer with DTM Wash Primer (B71Y00001)

Galvanized Steel (Untreated) - Remove all oil, grease, dirt, oxide and other foreign material by Solvent Cleaning per SSPC-SP1. Allow to weather a minimum of six months prior to coating. When weathering is not possible or the surface has been treated with chromate 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. Primer required.

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.

APPLICATION PROCEDURES

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.

SAFETY PRECAUTIONS

Refer to the SDS sheets 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.

PERFORMANCE TIPS

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.
Do not use colorants formulated for interior use only when applying exterior.
Excessive reduction of material can affect film build, appearance, and adhesion.
For improved exterior color and gloss retention, faster drying, sharper gloss, and improved block resistance in stacking, 10% by volume of Acrylic Modifier V70V411 may be added to Kem 4000.
For increased chemical and abrasion resistance, and better color and gloss retention, catalyze at an 8:1 ratio with Exterior Catalyst V66V1020, prior to reduction. Pot Life will be 8 hrs maximum.
During the early stages of drying, the coating is sensitive to rain, dew, high humidity, and moisture condensation. If possible, plan painting schedules to avoid these influences during the first 16-24 hours of curing.
Force dry schedules may affect the color of whites because of heat.
Blocking or sticking may occur when flat surfaces are stacked before adequate cure.
***Critical:** A critical recoat time may occur between 2 hrs and 24 hrs when the temperature is above 50°F (10°C). (Force drying, film thickness and varying humidity conditions may change critical recoat time). Recoating should be tested on small areas under actual application conditions.

APPLICATION

Refer to the SDS sheet before use
Temperature: 40°F(4.5°C) minimum
120°F(49°C) maximum
(Air, surface, and material)
At least 5°F above dew point

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/Clean Up
Below 80°F (27°C). Xylene (R2K4) or Toluene (R2K1)
Above 80°F (27°C) Aromatic Naphtha (R2K5) or 150 Flash Naphtha (R2KT4)

Airless Spray
Pressure 2800 psi
Hose 3/8" ID
Tip015-.017"
Filter 60 mesh
Reduction: Recommended, 10-15% by volume
Conventional Spray
Gun..... Binks 95
Fluid Nozzle..... 63C
AirNozzle 63PB
Atomization Pressure 50 psi
Fluid Pressure 15-20 psi
Reduction: Recommended, 10-15% by volume

HVLP
AirPressure..... 10-12 psi
FluidPressure 6-8 psi
Reduction: Recommended, 10-15% by volume
Brush Natural Bristle
Roll.... 3/8" woven with solvent resistant core
Reduction: Recommended, 10-15% by volume

If specific application equipment is not listed above, equivalent equipment may be substituted.

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 07/25/2017 B55W00311 13 384
HOTW 07/25/2017 B55T00304 11 375

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**SHERWIN
WILLIAMS.**



SUPERPAINT[®]

Exterior Latex Flat

A80W00116 Super White
A80W01151 Extra White
A80W00153 Deep Base
A80T01154 Ultradeep Base
A80Y00156 Light Yellow

As of 03/08/2018, Complies with:			
OTC	Yes	LEED [®] 09 NC CI	N/A
OTC Phase II	Yes	LEED [®] 09 CS	N/A
SCAQMD	Yes	LEED [®] v4 Emissions	N/A
CARB	Yes	LEED [®] v4 VOC	Yes
CARB SCM2007	Yes		
Canada	Yes	MPI	Yes

CHARACTERISTICS

SuperPaint Exterior Latex Flat, with resistance to early dirt pick up, provides outstanding performance on properly prepared aluminum and vinyl siding, wood, hardboard, masonry, cement, brick, block, stucco, 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
To optimize hide and color development, always use the recommended P-Shadow primer

Coverage: 350 - 400 sq ft/gal
@ 4 mils wet; 1.4 mils dry

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

Finish: 0-5 units @ 85°

Tinting with CCE:

Base	oz/gal	Strength
Extra White	0-6	SherColor
Deep Base	4-12	SherColor
Ultradeep Base	10-12	SherColor
Light Yellow	2-12	SherColor

Extra White A80W01151
(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: 36 ± 2%

Weight Solids: 53 ± 2%

Weight per Gallon: 11.38 lb

Flash Point: N/A

Vehicle Type: 100% Acrylic

WVP Perms (US) 33.14
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

SuperPaint Exterior Latex Flat can be self-priming when used directly over existing coatings, or bare drywall, plaster and masonry (with a cured pH of less than 9). The first coat acts like a coat of primer and the second coat provides the final appearance and performance. Please note that some specific surfaces require specialized treatment.

Aluminum & Aluminum Siding¹, Galvanized Steel¹, Vinyl Siding

2 cts. SuperPaint Exterior Latex
Concrete Block, CMU, Split Face Block

1 ct. Loxon Block Surfacers

2 cts. SuperPaint Exterior Latex

Brick

1 ct. Loxon Conditioner²

2 cts. SuperPaint Exterior Latex

Cement Composition Siding/Panels

1 ct. Loxon Concrete & Masonry Primer²

or Loxon Conditioner²

2 cts. SuperPaint Exterior Latex

Stucco, Cement, Concrete

1 ct. Loxon Concrete & Masonry Primer²

2 cts. SuperPaint Exterior Latex

Plywood

1 ct. Exterior Latex Wood Primer

2 cts. SuperPaint Exterior Latex

Wood (Cedar, Redwood)³

1 ct. Exterior Oil-Based Wood Primer²

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

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

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.



SUPERPAINT[®]

Exterior Latex Flat

- A80W00116 Super White
- A80W01151 Extra White
- A80W00153 Deep Base
- A80T01154 Ultradeep Base
- A80Y00156 Light Yellow

<u>SURFACE PREPARATION</u>	<u>SURFACE PREPARATION</u>	<u>CAUTIONS</u>
<p>Masonry, Concrete, 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 can 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.</p> <p>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.</p> <p>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.</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>For exterior use only. Protect from freezing. Non-photochemically reactive. Not for use on floors.</p> <p>Before using, carefully read CAUTIONS on label.</p> <p>HOTW 03/08/2018 A80W01151 33 38 KOR, FRC, Viet</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, 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.</p>	<p style="text-align: center;"><u>APPLICATION</u></p> <p>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. No reduction necessary.</p> <p>Brush Use a nylon/polyester brush.</p> <p>Roller Use a 3/8" - 3/4" nap synthetic cover.</p> <p>Spray—Airless Pressure 2000 psi Tip015"-.019"</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>