



**SHERWIN
WILLIAMS®**

OLD FIRE STATION

NILES, MI 49120

NILES TOWNSHIP

320 BELL RD

NILES, MI 491204063

Prepared By:

WILLIAM ENDER
Sales Representative
swrep6048@sherwin.com
(269) 876-6680



SCHEDULE

Exterior Finishes

CONCRETE BLOCK SURFACES

Primer: A24W01100 - Loxon® Masonry Coating Systems Conditioner White

AFTER POWER WASHING TO REMOVE CHALK AND DIRT AND TUCK POINTING TO FIX BAD MORTAR JOINTS

APPLY 1 COAT OF CONDITIONER

Finish: A05W00451 - ConFlex XL High Build Coating Extra White

APPLY 2 COATS OF CONFLEX OVER CONDITIONED SURFACE WITH OVERNIGHT DRYING BETWEEN COATS

Wood

Primer: Y24W08980 - Fast Drying Interior/Exterior Oil-Based Primer White

AFTER REMOVING ALL LOOSE AND PEELING PAINT PRIME WOOD WITH OIL BASE PRIMER

Finish: K43W00051 - Resilience® Exterior Acrylic Latex Satin Extra White

APPLY 2 COATS OF FINISH OVER PRIMED WOOD WITH OVERNIGHT DRYING BETWEEN COATS

ALUMINUM AND VINYL AND METAL SIDING

Primer: B66W00310 - Pro Industrial Pro-Cryl® Universal Acrylic Primer Off White

AFTER REMOVING ALL CHALK AND DIRT PRIME ALL SURFACES WITH PRIMER

Finish: K43W00051 - Resilience® Exterior Acrylic Latex Satin Extra White

APPLY 2 COATS OF RESILIENCE OVER PRIMED SURFACES WITH OVERNIGHT DRYING BETWEEN COATS

END OF SECTION



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SURFACE PREPARATION

1) Aluminum

Remove all oil, grease, dirt, oxide and other foreign material by cleaning per SSPC-SP1, Solvent Cleaning.

2) Previously Coated Surfaces

Maintenance painting will frequently not permit or require complete removal of all old coatings prior to repainting. However, all surface contamination such as oil, grease, loose paint, mill scale, dirt, foreign matter, rust, mold, mildew, mortar, efflorescence, and sealers must be removed to assure sound bonding to the tightly adhering old paint. Glossy surfaces of old paint films must be clean and dull before repainting. Thorough washing with an abrasive cleanser will clean and dull in one operation, or, wash thoroughly and dull by sanding. Spot prime any bare areas with an appropriate primer.

Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system. Check for compatibility by applying a test patch of the recommended coating system, covering at least 2 to 3 square feet. Allow to dry one week before testing adhesion per ASTM D3359. If the coating system is incompatible, complete removal is required.

3) Water Blasting NACE Standard RP-01-72

Removal of oil grease dirt, loose rust, loose mill scale, and loose paint by water at pressures of 2,000 to 2,500 psi at a flow of 4 to 14 gallons per minute.

END OF SPECIFICATION

Data Pages



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108.20A

LOXON®
Conditioner

A24W01100 Guide Coat White
A24V01100 Clear

As of 12/07/2015, Complies with:			
OTC	Yes	LEED® 09 CI	Yes
SCAQMD	Yes	LEED® 09 NC	Yes
CARB	Yes	LEED® 09 CS	Yes
CARB SCM 2007	Yes	LEED® H	Yes
MPI		NGBS	Yes

CHARACTERISTICS

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

Color: Guide-Coat White & Clear
Coverage: 200-300 sq ft/gal
Drying Time, @ 77°F, 50% RH:
Drying and recoat times are temperature, humidity and film thickness dependent.
Touch: 30 minutes
Tack free: 1 hour
Recoat: 3 hours
Flash Point: N/A

Tinting with CCE:
Requires ColorCast Ecotoner colorant for tinting. If desired, up to 1 oz per gallon of ColorCast Ecotoner colorant can be used to approximate the topcoat color. Check color before use.
Vehicle Type: Proprietary Acrylic

Guide Coat White A24W01100
VOC (less exempt solvents):
<50 g/L; <0.42 lb/gal
As per 40 CFR 59.406 and SOR/2009-264, s.12
White
Volume Solids: 18 ± 2%
Weight Solids: 24 ± 2%
Weight per Gal: 8.92 lb

Clear A24V01100
VOC (less exempt solvents):
<50 g/L; <0.42 lb/gal
As per 40 CFR 59.406 and SOR/2009-264, s.12
Clear
Volume Solids: 16 ± 2%
Weight Solids: 17 ± 2%
Weight per Gal: 8.44 lb

SPECIFICATION

Masonry, Concrete, Stucco, Block
1 ct. Loxon Conditioner
2 cts. Appropriate architectural topcoat

For maximum resistance to efflorescence, you must topcoat with one of the Loxon or Loxon XP Coatings.

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

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

For use on these surfaces:

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

SURFACE PREPARATION

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

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

Masonry/Concrete/Stucco & Block
Remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, and form release and curing agents. 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. Masonry surfaces must be dry, 15% or less of water and within a pH range of 6 to 13.

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

LOXON®
Conditioner



A24W01100 Guide Coat White
A24V01100 Clear

<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>Do not build a surface glaze. Do not apply to a damp surface. Do not apply over heavy chalk. Do not apply if the surface temperature is below 50°F, when rain is expected within 3 hours, or when the relative humidity is 90% or more.</p> <p>No reduction necessary.</p> <p>Brush Use a nylon/polyester or foam brush.</p> <p>Roller Use a 3/8" to 3/4" nap synthetic cover.</p> <p>Spray—Airless Pressure..... 700-1000 psi Tip..... .015" - .019"</p> <p><u>CLEANUP INFORMATION</u></p> <p>Clean spills, spatters, hands and tools immediately 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>Protect from freezing. Not for use on floors.</p> <p>Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. FIRST AID: In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.</p> <p>HOTW 12/07/2015 A24W01100 09 00 SP, 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>



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102.33

CONFLEX XL

Smooth Elastomeric High Build Coating A5-400 Series

As of 12/01/2012, Complies with:		
OTC	Yes	LEED® 09CI N/A
SCAQMD	Yes	LEED® 09NC N/A
CARB	Yes	LEED® 09CS N/A
CARB SCM 2007	Yes	LEED® H N/A
MPI #	40, 113	NGBS N/A

CHARACTERISTICS

ConFlex XL High Build Coating is an elastomeric coating that provides excellent flexibility, durability, and weather resistance. This product will protect against wind-driven rain when used on tilt-up, precast, or poured-in-place concrete, CMU, brick, and stucco. This may be applied to a surface with a pH of 6 to 12.

Color: Most colors
To optimize hide and color development, always use the recommended P-Shadow primer
Two coat system, brush, roller, or spray applied, coverage per coat:

100-125 sq ft/gal
13.0-16.0 mils wet; 6.0-7.5 mils dry
1 coat system, spray applied, coverage per coat: 50-60 sq ft/gal
27.0-32.0 mils wet; 13.0-15.0 mils dry

Can be applied up to 40 mils wet.
Coverage will vary with the substrate and the texture.

Drying Time, @ 77°F, 50% RH:
Touch: 4 hours
Recoat: 24 hours
Drying and recoat times are temperature, humidity, and film thickness dependent

Flash Point: N/A
Finish: 0-10 units @ 85°

Tinting with CCE:

Base	oz/gal	Strength
Extra White	0-5	100%
Deep Base	4-12	100%
Ultra-deep	4-12	100%

Vehicle Type: 100% Acrylic

A05W00451
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: 48 ± 2%
Weight Solids: 63 ± 2%
Weight per Gallon: 11.5 lb

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

PHYSICAL PROPERTIES

Wind-Driven Rain Test Passes
ASTM D6904-03
1 ct Loxon Primer at 3.2 mils dft
2 cts ConFlex XL at 6.0-7.5 mils dft/ct

Water Vapor Permeance 13.4 perms
Based on ASTM D1653
1 ct ConFlex XL at 9.4 mils dft,
14 day cure @ 77°F & 50% RH

Elongation 350%
ASTM D2370
1 ct ConFlex XL at 9.4 mils dft,
14 day cure @ 77°F & 50% RH

Tensile Strength 350 psi
ASTM D2370
1 ct ConFlex XL at 9.4 mils dft,
14 day cure @ 77°F & 50% RH

Freeze - Thaw Resistance Passes
Based on ASTM D2243

Low Temperature Flexibility Passes
ASTM D522 - Method B @ 10°F

SPECIFICATIONS

A total dry film thickness of 12 - 15 mils of topcoat and a surface with 10 or less pinholes per square foot is required for a waterproofing system.

Concrete, Stucco, Brick
1 ct. Loxon Concrete & Masonry Primer
1-2 cts ConFlex XL High Build Coating
CMU, Split-face Block
1 ct. Loxon Block Surfacer
2 cts ConFlex XL High Build Coating
(2 coats recommended due to the typical porosity of these surfaces)

Previously Coated
After power washing, apply 1 coat of Loxon Conditioner to tie any chalk to the surface.

The substrate and its condition will determine the application procedure. To minimize pinholes:

- 2 coat application with overnight drying between coats
- Spray application with backrolling
- Power rolling

SURFACE PREPARATION

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

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer.

Concrete, Stucco
Pressure clean to remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, peeling and defective coatings, chalk, form release agents, moisture curing membranes, etc. Remove all mildew. Allow the surface to dry thoroughly. Concrete and mortar must be cured at least 7 days at 75°F. On tilt-up and poured-in-place concrete, commercial detergents and sandblasting may be necessary to remove sealers, release compounds, and to provide an anchor pattern. Fill bugholes, air pockets, cracks, and other voids with an elastomeric patch or sealant.

Masonry surfaces must be dry, 15% or less of water, and within a pH range of 6 to 12. If the pH is above 12, prime the surface first with Loxon Primer or Loxon Surfacer.



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CONFLEX XL

Smooth Elastomeric High Build Coating A5-400 Series

<u>SURFACE PREPARATION</u>	<u>SURFACE PREPARATION</u>	<u>CAUTIONS</u>
<p>Sealing and Patching—After cleaning the surface thoroughly, prime any bare surface with Loxon Acrylic Primer, apply an elastomeric patch or sealant if needed, allow to dry, then topcoat. To improve the performance consider:</p> <ul style="list-style-type: none"> • Use caution when preparing the substrate to create a uniform surface. • Patch cracks, crevices, and openings with an elastomeric patch or sealant • Stripe coat all inside and outside corners and edges with 1 coat of ConFlex XL High Build Coating Smooth. <p>To repair openings and cracks: No greater than 1/32" wide: Apply one coat of Loxon Acrylic Primer and follow with 1 or 2 coats of ConFlex XL High Build Coating.</p> <p>From 1/32" up to 1/16" wide: Bridge over voids and small cracks up to 1/16" wide with an elastomeric patch or sealant. The product must be feathered to zero at the edges using a brush, knife, or trowel, to prevent the repaired area from telegraphing through the subsequent finishes. Do not apply more than 1/4" in depth in one application.</p> <p>From 1/16" to 3/8" wide: Cracks and voids between 1/16" and 3/8" wide should be opened to a sound surface. Flush out the opening to remove all dust. If dust is still evident, seal the surface with Loxon Conditioner to bind the dust to the surface. Fill the opening with an elastomeric patch or sealant; provide a small crest over the opening to allow for shrinkage. The product must be feathered to zero at the edges using a brush, knife, or trowel, to prevent the repaired area from telegraphing through the subsequent finishes. Do not apply more than 1/4" in depth in one application. Allow this to cure 24 hours.</p>	<p>The depth of the opening should be 1/2 the width of the joint, with a maximum depth of 1/2". In deep openings, the depth of the Sealant should be controlled with a closed cell, "non-gassing" type backer rod. The backer rod should be about 1/8" wider than the opening. Do not apply more than 1/4" in depth in one application. If the opening is 1/4" or greater, for maximum performance, prevent 3 point adhesion with backer rods or bond breaker tape. Three point adhesion problems occur in cracks when the sealant adheres to the walls and the bottom of a crack, and a significant amount of flexibility is lost. Two point adhesion - wall to wall in a crack - using backer rods or bond breaker tape offers the maximum flexibility and performance.</p> <p style="text-align: center;"><u>APPLICATION</u></p> <p>Apply at temperatures between 50°F and 100°F. Do not reduce.</p> <p>Brush - Use a nylon/polyester brush. Avoid over-brushing which causes air bubbles.</p> <p>Roller - Use a 1/2" to 1 1/2" nap synthetic roller cover. Avoid rapid rolling which causes bubbling.</p> <p>Spray—Airless Pressure, minimum 2300 psi Tip, minimum..... .021"</p> <p style="text-align: center;"><u>CLEANUP INFORMATION</u></p> <p>Clean spills and spatters immediately with soap and warm water. Clean hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with mineral spirits to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using mineral spirits.</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 on overhead horizontal surfaces (under sides of balconies, soffits, etc.) Not for use below grade. Will not withstand hydrostatic pressure.</p> <p>CAUTION contains CRYSTALLINE SILICA, ZINC. Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area. Adequate ventilation required when sanding or abrading the dried film. If adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH approved). Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. FIRST AID: In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Abrading or sanding of the dry film may release crystalline silica which has been shown to cause lung damage and cancer under long term exposure. WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.</p> <p>HOTW 03/25/2013 A05W00451 21 45</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 to obtain the most recent Product Data Sheet.</p>



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FAST DRYING PRIMER

Interior/Exterior Oil-Based Y24W8980

As of 03/06/2015, Complies with:		
OTC	Yes	LEED® 09 CI No
SCAQMD	No	LEED® 09 NC No
CARB	No	LEED® 09 CS No
CARB SCM 2007	No	LEED® H No
MPI #	Yes	NGBS No

DESCRIPTION	CHARACTERISTICS	SURFACE PREPARATION
<ul style="list-style-type: none"> Assures uniform appearance of exterior and interior topcoats Fast dry Blocks stain Topcoat with latex or oil paints Use for new construction or repainting <p>For use on these surfaces:</p> <ul style="list-style-type: none"> Wood Hardboard PVC Piping Previously Painted Surfaces <p>Fast Drying Primer is not ideal for whole house exterior priming. Best choices are Exterior Oil-Based Wood Primer or Exterior Latex Wood Primer. Fast Drying Primer is a compromise solution for exteriors that should be discussed only after other options have been definitely ruled out. Contractors need to be cautioned that fast dry exterior oil-based primers are quick fixes that will not be as durable as the recommended primers.</p>	<p>Color: White</p> <p>Coverage: 350 - 400 sq ft/gal @ 4 mils wet; 1.7 mils dry</p> <p>Drying Time, @ 50% RH: 77°F 40°F</p> <p>Touch: 30 minutes 1 hour</p> <p>Recoat: 1 hour 2 hours</p> <p>Drying and recoat times are temperature, humidity and film thickness dependent.</p> <p>Finish: 0-10 units @ 85°</p> <p>Flash Point: 90°F, PMCC</p> <p>Vehicle Type: Vinyl Toluene Copolymer Y24W08980</p> <p>VOC (less exempt solvents): 337 g/L; 2.81 lb/gal</p> <p>Volume Solids: 56 ± 2%</p> <p>Weight Solids: 79 ± 2%</p> <p>Weight per Gallon: 13.71 lb</p> <p>WVP Perms (US) 9.5 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 2 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 optimal performance, this primer must be topcoated with a latex or alkyd/ oil coating on architectural applications.</p> <p>For exterior application this must be topcoated within 14 days with architectural latex or oil finishes.</p> <p>For better performance when priming an entire house, use Exterior Latex or Oil-Based Primers.</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.</p> <p>Smoke, fire, or stain damaged areas- Thoroughly clean the surface before applying to smoke, fire or stained areas. After priming, allow to dry 4 hours, test a small area for bleeding by applying the topcoat before painting the entire project. If the stain bleeds through, apply a second coat of primer and allow to dry overnight and retest before topcoating. Use Multi-Purpose Latex Primer over solvent sensitive stains.</p>



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109.32

FAST DRYING PRIMER

Interior/Exterior Oil-Based
Y24W8980

<u>SURFACE PREPARATION</u>	<u>APPLICATION</u>	<u>CAUTIONS</u>
<p>Drywall Fill cracks and nail holes with patching paste/spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.</p> <p>Plaster Bare plaster must be cured and hard. Textured, soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with clear water and allow to dry.</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.</p> <p>Mildew Remove before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.</p> <p>Caulking Gaps between walls, ceilings, crown moldings, and other interior trim can be filled with the appropriate caulk after priming the surface.</p>	<p>Apply at temperatures above 40°F. No reduction necessary.</p> <p>Brush Use a natural bristle brush.</p> <p>Roller Use a 1/4"-3/4" nap synthetic cover.</p> <p>Airless Spray Pressure2000 psi Tip.....015"-019"</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>Non-photochemically reactive. Before using, carefully read CAUTIONS</p> <p>DANGER! HARMFUL OR FATAL IF SWALLOWED. FLAMMABLE! VAPOR HARMFUL. IRRITATES EYES, SKIN AND RESPIRATORY TRACT ALIPHATIC HYDROCARBONS, CRYSTALLINE SILICA. Contents are FLAMMABLE. Vapors may cause flash fires. Keep away from heat, sparks, and open flame. During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition. VAPOR HARMFUL. Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area. Adequate ventilation required when sanding or abrading the dried film. If adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH approved). Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. FIRST AID: In case of eye contact, flush thoroughly with large amounts of water for 15 minutes and get medical attention. For skin contact, wash thoroughly with soap and water. In case of respiratory difficulty, provide fresh air and call physician. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. Abrading or sanding of the dry film may release crystalline silica which has been shown to cause lung damage and cancer under long term exposure. WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.</p> <p>HOTW 04/06/2015 Y24W08980 13 337</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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102.18

RESILIENCE®
Exterior Latex
Satin
K43 Series

As of 4/12/2016, Complies with:			
OTC	Yes	LEED® 09 NC CI	N/A
SCAQMD	Yes	LEED® 09 CS	N/A
CARB	Yes	LEED® 09 H	N/A
CARB SCM 2007	Yes	LEED® v4 Emissions	N/A
MPI	Yes	LEED® v4 VOC	Yes

<u>CHARACTERISTICS</u>	<u>SPECIFICATIONS</u>	<u>SURFACE PREPARATION</u>																														
<p>Resilience Exterior is a high quality exterior finish with MoistureGuard™ Technology for excellent early moisture resistance. This product, which has improved resistance to early dirt pick up, is recommended for use on aluminum and vinyl siding, wood siding, clapboard, shakes, shingles, plywood, masonry, and metal down to a surface and air temperature of 35°F.</p> <p>VinylSafe™ Color Technology allows the use of many darker colors on vinyl siding that cannot be made in most other coatings.</p> <p>Color: Most colors To optimize hide and color development, always use the recommended P-Shadow primer</p> <p>Coverage: 350 - 400 sq ft/gal @ 4 mils wet; 1.6 mils dry</p> <p>Drying Time, @ 50% RH:</p> <table border="0"> <tr> <td></td> <td style="text-align: center;">@ 35-45°F</td> <td style="text-align: center;">@ 45°F +</td> </tr> <tr> <td>Touch:</td> <td style="text-align: center;">2 hour</td> <td style="text-align: center;">2 hours</td> </tr> <tr> <td>Recoat:</td> <td style="text-align: center;">24-48 hours</td> <td style="text-align: center;">4 hours</td> </tr> </table> <p>Drying and recoat times are temperature, humidity, and film thickness dependent</p> <p>Flash Point: N/A</p> <p>Finish: 10-20 units @ 60°</p> <p>Tinting with CCE:</p> <table border="0"> <thead> <tr> <th>Base</th> <th>oz/gal</th> <th>Strength</th> </tr> </thead> <tbody> <tr> <td>Extra White</td> <td>0-6</td> <td>Sher-Color</td> </tr> <tr> <td>Deep Base</td> <td>4-12</td> <td>Sher-Color</td> </tr> <tr> <td>Ultra-deep</td> <td>4-12</td> <td>Sher-Color</td> </tr> <tr> <td>Light Yellow</td> <td>0-12</td> <td>Sher-Color</td> </tr> <tr> <td>Primary Red</td> <td>0-12</td> <td>Sher-Color</td> </tr> <tr> <td>Vivid Yellow</td> <td>0-12</td> <td>Sher-Color</td> </tr> </tbody> </table> <p>Vehicle Type: 100% Acrylic K43W00051</p> <p>VOC (less exempt solvents): <50 g/L; <0.42 lb/gal As per 40 CFR 59.406 and SOR/2009-264, s.12</p> <p>Volume Solids: 39 ± 2%</p> <p>Weight Solids: 52 ± 2%</p> <p>Weight per Gallon: 10.59 lb</p> <p>Water Vapor Permeance Based on ASTM D 1653 22.0 perms</p> <p>Mildew Resistant This coating contains agents which inhibit the growth of mildew on the surface of this coating film.</p>		@ 35-45°F	@ 45°F +	Touch:	2 hour	2 hours	Recoat:	24-48 hours	4 hours	Base	oz/gal	Strength	Extra White	0-6	Sher-Color	Deep Base	4-12	Sher-Color	Ultra-deep	4-12	Sher-Color	Light Yellow	0-12	Sher-Color	Primary Red	0-12	Sher-Color	Vivid Yellow	0-12	Sher-Color	<p>Aluminum & Aluminum Siding¹ 2 cts. Resilience Exterior Latex</p> <p>Concrete Block, CMU, Split face Block 1 ct. Loxon Block Surfacers 2 cts. Resilience Exterior Latex</p> <p>Brick 1 ct. Loxon Conditioner² 2 cts. Resilience Exterior Latex</p> <p>Cement Composition Siding/Panels 1 ct. Loxon Concrete & Masonry Primer/Sealer² or Loxon Conditioner² 2 cts. Resilience Exterior Latex</p> <p>Galvanized Steel¹ 2 cts. Resilience Exterior Latex</p> <p>Stucco, Cement, Concrete 1 ct. Loxon Concrete & Masonry Primer/Sealer² 2 cts. Resilience Exterior Latex</p> <p>Plywood 1 ct. Exterior Latex Wood Primer 2 cts. Resilience Exterior Latex</p> <p>Steel¹ 1 ct. All Surface Enamel Primer² 2 cts. Resilience Exterior Latex</p> <p>Vinyl Siding 2 cts. Resilience Exterior Latex</p> <p>Wood, Composition Board 1 ct. Exterior Oil-Based Wood Primer 2 cts. Resilience Exterior Latex</p> <p>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.</p> <p>Other primers may be appropriate.</p> <p>When repainting involves a drastic color change, a coat of primer will improve the hiding performance of the topcoat color.</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. 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>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.</p> <p>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 8, prime with Loxon Concrete & Masonry Primer/Sealer.</p> <p>Caulking Gaps between windows, doors, trim, and other through-wall openings can be filled with the appropriate caulk after priming the surface.</p>
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RESILIENCE[®]
 Exterior Latex
 Satin
 K43 Series



<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 should be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer/Sealer. Cracks, voids, and other holes should be repaired 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.</p> <p>Before using, carefully read CAUTIONS on label.</p> <p>HOTW 04/12/2016 K43W00051 29 39 Viet, FRC, SP, KOR</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><u>APPLICATION</u></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/Sealer. Repair cracks, voids, and other holes with an elastomeric patch or sealant.</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 1-1½ 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>Vinyl Clean the surface thoroughly by scrubbing with warm, soapy water. Rinse thoroughly, primer with appropriate primer. Do not paint vinyl with any color darker than the original color unless the paint system features VinylSafe™ Color Technology. Painting with darker colors that are not VinylSafe™ may cause vinyl to warp. Follow all painting guidelines of the vinyl manufacturer when painting. Deviating from the manufacturer's painting guidelines may cause the warranty to be voided.</p>	<p>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>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 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><u>CLEANUP INFORMATION</u></p>	
	<p>Clean spills, spatters, hands and tools immediately with soap and warm water. After cleaning, flush spray equipment with compliant clean up solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents. Do not pour unused contents down the drain. Consult with local authorities for method of disposal and recycling.</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>



PRO INDUSTRIAL™

113.05

PRO-CRYL® UNIVERSAL PRIMER

As of 09/11/2015, Complies with:			
OTC	Yes	LEED® 09 CI	Yes
SCAQMD	Yes	LEED® 09 NC	Yes
CARB	Yes	LEED® 09 CS	Yes
CARB SCM 2007	Yes	LEED® 09 S	Yes
MPI	107,134	NGBS	Yes

B66W00310	OFF WHITE
B66A00310	GRAY
B66N00310	RED OXIDE

CHARACTERISTICS

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

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

Color: Off White, Gray, Red Oxide

Recommended Spread Rate per coat:

Wet mils:	5.0 - 10.0
Dry mils:	1.8 - 3.6
-Coverage:	160 - 320 sq ft/gal

Approximate

Theoretical coverage sq ft/gal

(m²/L) @ 1 mil / 25 microns dft 577sq ft
 NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Time @ 6.0 mils wet 50% RH:

	40°F	77°F	120°F
To touch:	2 hrs	40 min	20 min
Tack free:	8 hrs	2 hrs	1 hr
To recoat:	16 hrs	4 hrs	2 hrs
To cure:	45 days	30 days	14 days

Drying time is temperature, humidity, and film thickness dependent.

Finish: Low sheen

Flash Point: N/A

Shelf Life: 36 months, unopened
 Store indoors at 40°F to 100°F.

Tinting: Do not tint

B66W310 (may vary by color)

VOC (less exempt solvents):

96 g/L; 0.80 lb/gal

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

Volume Solids: 36% ± 2%

Weight Solids: 49% ± 2%

Weight per Gallon: 10.23 lb

RECOMMENDED SYSTEMS

Waterborne topcoat:

- 1-2 cts. Pro Industrial Acrylic
- or Pro Industrial DTM Acrylic
- or Pro Industrial Multi-Surface Acrylic
- or Pro Industrial Pre-Catalyzed Waterbased Epoxy
- or Pro Industrial Waterbased Acrolon 100
- or Pro Industrial Waterbased Catalyzed Epoxy

Solventborne topcoat:

- 1-2 cts. Pro Industrial High Performance Epoxy
- or Pro Industrial Urethane Alkyd

Pro Industrial Pro-Cryl Universal Primer B66W310 Off White is GREENGUARD GOLD certified for low chemical emissions into indoor air during product usage. For more information, visit ul.com/gg.

System Tested: (unless otherwise indicated)

Substrate:	Steel
Surface Preparation:	SSPC-SP10
1 ct.	Pro Industrial Pro-Cryl Universal Primer
1 ct.	Pro Industrial Acrylic

Adhesion:

Method: ASTM D4541
 Result: 500 psi

Moisture Condensation Resistance:

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

Corrosion Weathering:

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

Pencil Hardness:

Method: ASTM D3363
 Result: H

Direct Impact Resistance:

Method: ASTM D2794
 Result: >140 in. lbs.

Salt Fog Resistance:

Method: ASTM B117, 1250 hours
 Result: Passes

Dry Heat Resistance*:

Method: ASTM D2485
 Result: 200°F

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

Flexibility:

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

*Suitable for intermittent dry heat resistance up to 300°F when used as a system with Sher-Cryl HPA

PRO INDUSTRIAL™
PRO-CRYL® UNIVERSAL PRIMER



SHERWIN-WILLIAMS.

SURFACE PREPARATION

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

Do not use hydrocarbon solvents for cleaning.

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

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

Galvanizing - Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP7 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.

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.

APPLICATION PROCEDURES

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

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

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

APPLICATION

Refer to the SDS before using
Temperature: 40°F minimum
 120°F 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: Water

Airless Spray

Pressure2000 psi
 Hose 1/4" ID
 Tip015" - .019"
 Filter 60 mesh
 Reduction Not recommended

Conventional Spray

Gun Binks 95
 Fluid Nozzle 66
 Air Nozzle 63PB
 Atomization Pressure60 psi
 Fluid Pressure25 psi
 ReductionAs needed up to 5% by volume

Brush Nylon/Polyester
 Reduction Not recommended

Roller3/8" woven
 ReductionAs needed up to 5% by volume

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

CLEANUP INFORMATION

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

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 KOR, FRC, SP

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