



# Custodian

Project Color and Project Information

## CIELO

April 28, 2016

**Presented To: Bob Jennings**

Products are available at:  
RIVIERA BEACH #2787  
7950 CENTRAL INDUSTRIAL D  
RIVIERA BEACH, FL 33404 3439  
(561) 840-1083

Presented by:  
MICHAEL J NORMANDEALE  
(561) 531-9017  
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**Description:**  
Resilience® Exterior  
Acrylic Latex Satin Extra  
White

**Product:**  
K43W00051

**Color:**  
- BODY 120% HAPPY  
TRAILS

**Order #:**  
OE0061083A2787

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*Due to screen and print limitations, colors seen here may not accurately reflect painted colors. To confirm your color choices, visit your neighborhood Sherwin-Williams store*

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**Description:**  
Resilience® Exterior  
Acrylic Latex Satin Extra  
White

**Product:**  
K43W00051

**Substrate:**  
-

**Area:**  
Accent Color

**Color:**  
6141 - Softer Tan

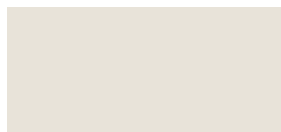
**Label:**  
Other

**Order #:**  
OE0061083A2787

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**Description:**  
Resilience® Exterior  
Acrylic Latex Satin Extra  
White

**Product:**  
K43W00051

**Substrate:**  
-

**Area:**  
White Trim

**Color:**  
7009 - Pearly White

**Label:**  
Other

**Order #:**  
OE0061083A2787


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## Areas Detail

	<b>Description:</b> PI WB ALK UR SG EW	<b>Product:</b> B53W01151	<b>Substrate:</b> -	<b>Area:</b> Doors
	<b>Color:</b> 7009 - Pearly White	<b>Label:</b> Other	<b>Order #:</b> OE0061083A2787	

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<b>Description:</b> Resilience® Exterior Acrylic Latex Satin Ultradeep Base	<b>Product:</b> K43T00054	<b>Substrate:</b> -	<b>Area:</b> Brown Pergola Color
<b>Color:</b> Brown Pergola Color -	<b>Label:</b> Other	<b>Order #:</b> OE0060792A2787	

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<b>Description:</b> DEEP TINT BASE	<b>Product:</b> .05853924	<b>Substrate:</b> -	<b>Area:</b> Garage Thresholds
<b>Color:</b> HC-102 - Red Terazzo Tile	<b>Label:</b> Other	<b>Order #:</b> OE0060515A2787	

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## *Areas Detail*

<b>Description:</b> PI WB ALK UR GL UD	<b>Product:</b> B53T01054	<b>Substrate:</b> -	<b>Area:</b> Light Fixtures
<b>Color:</b> BRZ 8 - Mississippi Bronze	<b>Label:</b> Other	<b>Order #:</b> OE0061331A2787	

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<b>Description:</b> Pro Industrial Waterbased Acrolon 100 Polyurethane (Part A) Ultradeep Base	<b>Product:</b> B65T00724	<b>Substrate:</b> -	<b>Area:</b> Light Posts, & Stop Signs
<b>Color:</b> BRZ 8 - Mississippi Bronze	<b>Label:</b> Other	<b>Order #:</b> OE0062014A2787	

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# Custodian

Project Color and Project Information



## Reference Pages



**SHERWIN-WILLIAMS.**

## Care and Cleaning of Interior and Exterior Coatings

### **Background:**

Establish procedures to maintain and clean interior and exterior painted substrates. To assure maximum washability and durability, wait at least two weeks before washing the dry paint film. Exterior coatings typically are very soft and flexible to allow for expansion and contraction of the coating during changes of temperature. Any hard scrubbing of standard exterior coatings is likely to damage the film. To clean and maintain the interior and exterior surfaces, we recommend these procedures.

### **Concentrated Cleaners, Liquid or Dry:**

- Read all the package directions before using. It is always recommended to test any cleaner on a small, inconspicuous area prior to use.
- Mix or dilute the cleaner per package instructions. Solution strength may be adjusted depending on amount and type of soil.
- Remove any heavy debris and contaminants.
- Using a sponge or cloth, wash surface dirt and marks.
- Do not allow the cleaner to dry on the surface.
- Always clean from the bottom of a wall to the top.
- Rinse the surface thoroughly.
- Repeat if necessary.

### **Premixed Spray Cleaners:**

- Read all the package directions before using. It is always recommended to test any cleaner on a small, inconspicuous area prior to use.
- Turn spray nozzle to desired spray pattern. (Open with nozzle facing away from you.)
- Remove any heavy debris and contaminants.
- Apply the cleaner to the dirt and marks; apply just enough to wet the area.
- Using a damp sponge or cloth, wipe to remove the surface dirt and marks and any excess cleaner. For difficult stains, some scrubbing may be necessary.
- Do not allow the cleaner to dry on the surface.
- If recommended on the cleaner package, rinse the surface thoroughly.
- Repeat if necessary.
- Return spray nozzle to the closed position.

### **Cautions:**

- Thoroughly read and understand all the label cautions prior to using any cleaner.
- Be sure that the cleaner is appropriate for the dirt/contamination.
- Do not mix together any cleaning compounds containing bleach and ammonia.
- Abrasive cleansers may damage a paint film, use very carefully.
- Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions would be advised.

### **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.



**SHERWIN-WILLIAMS®**

## Care and Cleaning of Interior and Exterior Coatings

### The Sherwin-Williams Company Cleaning Products

**SuperDeck® Deck Wash** is designed to bring back the fresh, natural look of your deck. Enjoy the self-working, no scrub formulation. This product is an excellent choice to restore your surface or to use as a pretreatment for staining, preserving, or sealing. Use on decks and outdoor furniture made of pressure treated wood, cedar, pine, and most other woods. This product is intended for exterior use only.

**SuperDeck® Stain & Sealer Remover** is specifically designed to remove most semi-transparent and weathered solid latex and oil-based stains from decks and other exterior wood. SuperDeck Stain & Sealer Remover allows you to change the color of your deck or siding by restoring the natural beauty of the wood. SuperDeck Stain & Sealer Remover can be used on most exterior wood surfaces such as decks, siding and fences and will remove the following stains and finishes:

- Polyurethane and some weathered latex paint.
- Oil-based toners, semi-transparent, and weathered solid stains.
- Water-based toners, semi-transparent, and weathered stain.
- Water-reducible toners, semi-transparent and weathered solid stains.
- Old, weathered, clear protective finishes.

SuperDeck Stain & Sealer Remover will restore color to severely weathered and discolored wood.

**SuperDeck® Revive® Deck & Siding Brightener** is a fast-acting, ready-to-use cleaner specially formulated for cedar, redwood and other highly resinous exterior woods as well as dense woods such as mahogany. Due to the chemical characteristics of these types of woods, traditional cleaners can leave the surface with an unnatural, darkened appearance. SuperDeck Revive Deck & Siding Brightener will help remove dirt and unsightly stains caused by mildew and algae, gray and weathered wood, tannin bleed and nail bleed as well as stubborn mill glaze (a surface barrier to wood coatings found on most newly installed cedar and redwood) and restore the surface to its bright, clean natural look. SuperDeck Revive Deck & Siding Brightener can be used on any new or existing exterior structure including wood decks, fences, siding, shakes, shingles, boat docks, boardwalks, outdoor furniture, picnic tables, hot tubs, planters, benches, trellises and gazebos.

**H&C Concrete Etching Solution** is a phosphoric acid-based etcher that has been developed to acid etch concrete surfaces before applying H&C Silicone Acrylic Concrete Sealer, H&C Shield Plus Concrete Stain, and other coatings. Uses: • Basement floors and walls • Garage floors, carports and driveways • Porches, patios, walkways, steps • Swimming pool aprons • Recreation areas • Parking structures and parking lots • Retaining walls • Containment areas • Tilt-up construction • Removes efflorescence (alkali salts) • Reduces the pH of new concrete and new mortar joints.

**H&C Degreaser** is a concentrated heavy-duty cleaner that will remove most automotive fluids (oil, grease, brake fluid, transmission fluid, gear fluid and antifreeze) from concrete and masonry surfaces. Its primary use is to degrease and prepare concrete, block, brick, and masonry. Features: • Removes grease and oil stains • Prepares surfaces for paints, stains, and sealers • Increases any coating's ability to bond with the surface by providing a clean substrate Recommended Uses: • Stadium Supports • Bridges and Bridge Structures • Parking Garages • Patios and Walkways • Pool Decks • Concrete Driveways • Garage Floors • Block & Stucco Walls • Athletic/Tennis/Shuffleboard Courts • Other Concrete Surfaces • Use prior to etching



## BASICS OF TOUCH-UP

Often a painted area needs repair. Usually the damaged area is small and is repaired using a brush and roller. The art of repair is called "touching up" and there are many problems in making the repair as invisible as possible. Prerequisites for achieving good "touch-up" are that the paint be of the same color as the original, from the same manufacturer, from the same batch of paint and, ideally, from the same can, and that the area to be repaired has the same texture and appearance of the surrounding area.

If the "touch-up" patch is visible under all illumination conditions then it is poorly done; if one must search for it, then the "touch-up" is good.

### **COMPONENTS OF "TOUCH-UP"**

Touch-up complaints are often not specific about what aspect makes the repair visible. In fact, there are three separate and identifiable components that can be included in a "touch-up" problem. All three components contribute to the visibility of the repair and stem from the use of different application techniques for the original paint and the repair. Usually a brush repair over an airless sprayed original will be very visible. Most of the following comments concern that situation, but they can also be applied to other combinations. On some jobs one problem may be visible, on others they may occur in combinations. It is much easier to understand the cause of the poor "touch-up" if the problem components are identified.

#### **1. "HALO"**

Halo's are created at the edge of the repair by tendrils of paint left by the brush as it enters and exits the area around the patch. Human eyes are very good at determining texture changes and are thus very sensitive to touch-up and "halo" in particular. The texture is more raised in these areas than the main part of the repair, so they produce shadows when illuminated from the far side and reflect light back to the observer when illuminated from the same side.

A painter can make the situation worse by attempting to feather the repair excessively. This creates more edge texture. Halo is diminished if the paint spreads smoothly and continuously over the original layer. If the repair paint thickens in viscosity rapidly as it is spread then it will not level well and the texture at the edge will be especially bad. Thus patching over porous paint, e.g. a flat paint, is more likely to cause a "halo" problem. In the field the "halo" problem may be alleviated by stippling with a brush or otherwise trying to duplicate the texture of the original. Diluting the repair paint by 10-15% may help by accommodating the wicking problem.

#### **2. DIFFERENT SHEEN**

This part of the "touch up" problem is noticed as a difference over the whole repair patch particularly at oblique angles. The patch appears either shiny or dull compared to the background. The effect may be accompanied by a "halo".

Features larger than three mil, e.g. brush marks, roller stipple etc., produce shadowing or reflections like the "halo", but not a change in sheen. Sheen differences are due to changes in the way the light is scattered from smaller features, i.e., roughness, in the paint surface. The shape and the arrangement of the paint ingredients are what determine this. Changes in surface roughness are most visible at grazing angles of observation and illumination. This is often the way that poor touch-ups are first noticed. Drying conditions and application technique are important factors in determining surface roughness. Although paint can be formulated to minimize their importance, sheen differences may be seen when the original paint and the repair paint are applied differently or under widely different temperature and/or humidity conditions.

#### **3. COLOR DEVELOPMENT**

This problem is much less likely to occur than the other two types of touch-up problem. It most often appears as a difference in the depth of the color rather than a color shift, and can be seen at almost any angle of observation, but particularly near the perpendicular (90° angle) in contrast to the "halo" and "sheen" components above.

Changes in the way light is scattered from within the body of the paint film are most visible straight on for both observation and illumination. Poor color touch-up results from differences in pigment particle separation caused by the differences in application techniques, e.g. brush vs. airless spray. Airless spraying inputs a very great deal of energy into paint and disperses pigment very well. Brushing or rolling shear-rates are two to three orders of magnitude less severe and may not disperse paint components in the same way.

*Reprinted from The Sherwin-Williams Materials Science R&D 1991, edited August 2008*



# Data Pages



**SHERWIN  
WILLIAMS.**

102.18

**RESILIENCE<sup>®</sup>**  
Exterior Latex  
Satin  
K43 Series

As of 1/13/2015, Complies with:			
OTC	Yes	LEED® 09 CI	N/A
SCAQMD	Yes	LEED® 09 NC	N/A
CARB	Yes	LEED® 09 CS	N/A
CARB SCM 2007	Yes	LEED® H	N/A
MPI #	Yes	NGBS	N/A

**CHARACTERISTICS**

**Resilience Exterior Latex** is a high quality exterior finish with Moisture Guard™ for excellent early moisture resistance. This product is recommended for use on aluminum and vinyl siding, wood siding, clapboard, shakes, shingles, plywood, masonry, and metal down to a surface and air temperature of 35°F.

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

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

**Coverage:** 350 - 400 sq ft/gal  
@ 4 mils wet; 1.52 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

**Flash Point:** N/A

**Finish:** 10-20 units @ 60°

**Tinting with CCE:**

Base	oz/gal	Strength
Extra White	0-6	125%
Deep Base	4-12	100%
Ultra-deep	4-12	100%
Light Yellow	4-12	100%
Primary Red	4-12	100%
Vivid Yellow	4-12	100%

**Vehicle Type:** 100% Acrylic

**K43W00051**

**VOC (less exempt solvents):**  
<50 g/L; <0.42 lb/gal

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

**Volume Solids:** 40 ± 2%

**Weight Solids:** 53 ± 2%

**Weight per Gallon:** 10.7 lb

**WVP Perms (US)** 22.0

grains/(hr ft<sup>2</sup> in Hg)

**Mildew Resistant**

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

**SPECIFICATIONS**

**Aluminum & Aluminum Siding<sup>1</sup>**  
2 cts. Resilience Exterior Latex  
**Concrete Block, CMU, Split face Block**

1 ct. Loxon Block Surfacers  
2 cts. Resilience Exterior Latex  
**Brick**

1 ct. Loxon Conditioner<sup>2</sup>  
2 cts. Resilience Exterior Latex

**Cement Composition Siding/Panels**

1 ct. Loxon Concrete & Masonry Primer/Sealer<sup>2</sup>

or Loxon Conditioner<sup>2</sup>  
2 cts. Resilience Exterior Latex

**Galvanized Steel<sup>1</sup>**  
2 cts. Resilience Exterior Latex

**Stucco, Cement, Concrete**

1 ct. Loxon Concrete & Masonry Primer/Sealer<sup>2</sup>

2 cts. Resilience Exterior Latex  
**Plywood**

1 ct. Exterior Latex Wood Primer

2 cts. Resilience Exterior Latex  
**Steel<sup>1</sup>**

1 ct. All Surface Enamel Primer<sup>2</sup>

2 cts. Resilience Exterior Latex  
**Vinyl Siding**

2 cts. Resilience Exterior Latex

**Wood, Composition Board**

1 ct. Exterior Oil-Based Wood Primer

2 cts. Resilience Exterior Latex

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

<sup>2</sup> Not for use at temperatures under 50°F. See specific primer label for that product's application conditions.

Other primers may be appropriate.

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

**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.

**Aluminum and Galvanized Steel**

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

**Cement Composition Siding/Panels**

Remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, and peeling or defective coatings. Allow the surface to dry thoroughly. If the surface is new, test it for pH, if the pH is higher than 8, prime with Loxon Concrete & Masonry Primer/Sealer.



# RESILIENCE<sup>®</sup>

## Exterior Latex Satin K43 Series

<u>SURFACE PREPARATION</u>	<u>SURFACE PREPARATION</u>	<u>CAUTIONS</u>
<p><b>Masonry, Concrete, Cement, Block</b> 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 &amp; Masonry Primer/Sealer. Cracks, voids, and other holes should be repaired with an elastomeric patch or sealant.</p> <p><b>Steel</b> 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><b>Stucco</b> 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 &amp; Masonry Primer/Sealer. Repair cracks, voids, and other holes with an elastomeric patch or sealant.</p> <p><b>Vinyl</b> Clean the surface thoroughly by scrubbing with warm, soapy water. Rinse thoroughly.</p> <p><b>Wood, Plywood, Composition Board</b> 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.</p> <p><b>Caulking</b> Gaps between windows, doors, trim, and other through-wall openings can be filled with the appropriate caulk after priming the surface.</p>	<p><b>Mildew</b> 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. <b>Do not add detergents or ammonia to the bleach/water solution.</b></p> <p style="text-align: center;"><b><u>APPLICATION</u></b></p> <p>When the air temperature is at 35°F, substrates may be colder; prior to painting, check to be sure the <b>air, surface, and material temperature</b> 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. <b>Brush</b> - Use a Contractor Series nylon/polyester or Purdy XL-Pro Extra brush. <b>Roller</b> - Use a 50/50 Poly-Wool or Purdy Golden Eagle 3/8" - 3/4" nap synthetic cover. <b>Spray—Airless</b> Pressure..... 2000 psi Tip..... .015"-.019"</p> <p style="text-align: center;"><b><u>CLEANUP INFORMATION</u></b></p> <p>Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.</p>	<p>For exterior use only. Protect from freezing. Non-photochemically reactive.</p> <p><b>CAUTION</b> contains <b>CRYSTALLINE SILICA, ZINC</b>. 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 (<b>NIOSH</b> 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 (<b>NIOSH</b> 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. <b>FIRST AID:</b> 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. <b>DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.</b> 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. <b>WARNING:</b> This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. <b>DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.</b> HOTW 01/13/20135 K43W00051 23 37</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 <a href="http://www.paintdocs.com">www.paintdocs.com</a> to obtain the most current version of the PDS and/or an MSDS.</p>



# PRO

## INDUSTRIAL™

## WATERBASED ALKYD URETHANE ENAMEL

B53-1050 SERIES  
B53-1150 SERIES  
B53-1250 SERIES

GLOSS  
SEMI- GLOSS  
LOW SHEEN

As of 3/15/2016, 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		NGBS	Yes

### PRODUCT DESCRIPTION

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

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

### PRODUCT CHARACTERISTICS

**Color:** most colors  
Extra White B53W01051

**Recommended Spread Rate per coat:**

Wet mils:	4.0 - 5.0
Dry mils:	1.4 - 1.7
Coverage:	320 - 400 sq ft/gal

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

**Drying Time @ 4.0 mils wet 50% RH:**

	@ 77°F
To touch:	1-2 hrs
To recoat:	12 hrs

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

**Finish:** 75+ @ 60° Gloss  
55-70 @ 60° Semi-Gloss  
15-25 @ 60° Low Sheen

**Flash Point:** N/A

**Vehicle Type:** Urethane modified alkyd

**Tinting with CCE:**

Base	oz/gal	Strength
Extra White	0 - 6	SherColor
Deep Base	4 - 12	SherColor
Ultradeep Base	10 - 14	SherColor

**Extra White B53W01051** (may vary by color and 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:** 34 ± 2%

**Weight Solids:** 47 ± 2%

**Weight per Gallon:** 10.28 lb/gal ± 2%

### RECOMMENDED SYSTEMS

#### Steel:

1 ct. Pro Industrial Pro-Cryl Primer  
2 cts. Pro Industrial Waterbased Alkyd Urethane

#### Aluminum:

1 ct. Pro Industrial Pro-Cryl Primer  
2 cts. Pro Industrial Waterbased Alkyd Urethane

#### Galvanizing:

1 ct. Pro Industrial Pro-Cryl Primer  
2 cts. Pro Industrial Waterbased Alkyd Urethane

#### Concrete Block:

1 ct. Heavy Duty Block Filler  
2 cts. Pro Industrial Waterbased Alkyd Urethane

#### Concrete/Masonry:

1 ct. Loxon Concrete & Masonry Primer  
2 cts. Pro Industrial Waterbased Alkyd Urethane

#### Drywall:

1 ct. ProMar 200 Zero VOC Primer  
2 cts. Pro Industrial Waterbased Alkyd Urethane

#### Wood, Exterior:

1 ct. Exterior Wood Primer  
2 cts. Pro Industrial Waterbased Alkyd Urethane

#### Wood, Interior:

1 ct. Premium Wall & Wood Primer  
2 cts. Pro Industrial Waterbased Alkyd Urethane

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

**System Tested:** (unless otherwise indicated)

**Substrate:** Cold Rolled Steel  
**Finish:** 1 ct. Pro Industrial Waterbased Alkyd Urethane  
4 mils wet

#### Pencil Hardness:

Method: ASTM D3363  
Result: 5H

#### Flexibility:

Method: ASTM D522, 180° bend,  
1/8" mandrel  
Result: Excellent no cracking

#### Dry Heat Resistance:

Method: ASTM D2485  
Result: 200°F

#### Block Resistance:

Lab assessment      Excellent

#### Resistance to Yellowing:

Lab assessment      Excellent

#### Oil resistance Lanolin:

Lab assessment      Excellent



# PRO INDUSTRIAL WATERBASED ALKYD URETHANE 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.

**Do not use hydrocarbon solvents for cleaning.**

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

**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.

**Concrete Block** - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 50°F before filling. Use Heavy Duty Block Filler or Loxon Block Surfacer. The filler must be thoroughly dry before topcoating.

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

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

**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 Safety Data Sheets (SDSs) before use. **FOR PROFESSIONAL USE ONLY.** Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

## 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:** 50°F minimum  
100°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**

Pressure .....2000 psi  
Hose ..... 1/4" ID  
Tip ..... .013" - .017"  
Filter ..... 60 mesh  
Reduction .....Not recommended

**Brush** ..... Nylon / polyester  
Reduction .....Not recommended

**Roller** ..... 1/4-1/2" woven  
Reduction .....Not recommended

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

## CLEANUP INFORMATION

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

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KOR,FRC, SP



**SHERWIN  
WILLIAMS.**

102.18

**RESILIENCE<sup>®</sup>**  
Exterior Latex  
Satin  
K43 Series

As of 1/13/2015, Complies with:			
OTC	Yes	LEED® 09 CI	N/A
SCAQMD	Yes	LEED® 09 NC	N/A
CARB	Yes	LEED® 09 CS	N/A
CARB SCM 2007	Yes	LEED® H	N/A
MPI #	Yes	NGBS	N/A

**CHARACTERISTICS**

**Resilience Exterior Latex** is a high quality exterior finish with Moisture Guard™ for excellent early moisture resistance. This product is recommended for use on aluminum and vinyl siding, wood siding, clapboard, shakes, shingles, plywood, masonry, and metal down to a surface and air temperature of 35°F.

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

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

**Coverage:** 350 - 400 sq ft/gal  
@ 4 mils wet; 1.52 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

**Flash Point:** N/A

**Finish:** 10-20 units @ 60°

**Tinting with CCE:**

Base	oz/gal	Strength
Extra White	0-6	125%
Deep Base	4-12	100%
Ultra-deep	4-12	100%
Light Yellow	4-12	100%
Primary Red	4-12	100%
Vivid Yellow	4-12	100%

**Vehicle Type:** 100% Acrylic

**K43W00051**

**VOC (less exempt solvents):**  
<50 g/L; <0.42 lb/gal

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

**Volume Solids:** 40 ± 2%

**Weight Solids:** 53 ± 2%

**Weight per Gallon:** 10.7 lb

**WVP Perms (US)** 22.0

grains/(hr ft<sup>2</sup> in Hg)

**Mildew Resistant**

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

**SPECIFICATIONS**

**Aluminum & Aluminum Siding<sup>1</sup>**  
2 cts. Resilience Exterior Latex  
**Concrete Block, CMU, Split face Block**

1 ct. Loxon Block Surfacers  
2 cts. Resilience Exterior Latex  
**Brick**

1 ct. Loxon Conditioner<sup>2</sup>  
2 cts. Resilience Exterior Latex

**Cement Composition Siding/Panels**

1 ct. Loxon Concrete & Masonry Primer/Sealer<sup>2</sup>

or Loxon Conditioner<sup>2</sup>  
2 cts. Resilience Exterior Latex

**Galvanized Steel<sup>1</sup>**

2 cts. Resilience Exterior Latex  
**Stucco, Cement, Concrete**

1 ct. Loxon Concrete & Masonry Primer/Sealer<sup>2</sup>

2 cts. Resilience Exterior Latex  
**Plywood**

1 ct. Exterior Latex Wood Primer

2 cts. Resilience Exterior Latex  
**Steel<sup>1</sup>**

1 ct. All Surface Enamel Primer<sup>2</sup>

2 cts. Resilience Exterior Latex

**Vinyl Siding**

2 cts. Resilience Exterior Latex

**Wood, Composition Board**

1 ct. Exterior Oil-Based Wood Primer

2 cts. Resilience Exterior Latex

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

<sup>2</sup> Not for use at temperatures under 50°F. See specific primer label for that product's application conditions.

Other primers may be appropriate.

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

**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.

**Aluminum and Galvanized Steel**

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

**Cement Composition Siding/Panels**

Remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, and peeling or defective coatings. Allow the surface to dry thoroughly. If the surface is new, test it for pH, if the pH is higher than 8, prime with Loxon Concrete & Masonry Primer/Sealer.



# RESILIENCE<sup>®</sup>

## Exterior Latex Satin K43 Series

<u>SURFACE PREPARATION</u>	<u>SURFACE PREPARATION</u>	<u>CAUTIONS</u>
<p><b>Masonry, Concrete, Cement, Block</b> 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 &amp; Masonry Primer/Sealer. Cracks, voids, and other holes should be repaired with an elastomeric patch or sealant.</p> <p><b>Steel</b> 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><b>Stucco</b> 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 &amp; Masonry Primer/Sealer. Repair cracks, voids, and other holes with an elastomeric patch or sealant.</p> <p><b>Vinyl</b> Clean the surface thoroughly by scrubbing with warm, soapy water. Rinse thoroughly.</p> <p><b>Wood, Plywood, Composition Board</b> 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.</p> <p><b>Caulking</b> Gaps between windows, doors, trim, and other through-wall openings can be filled with the appropriate caulk after priming the surface.</p>	<p><b>Mildew</b> 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. <b>Do not add detergents or ammonia to the bleach/water solution.</b></p> <p style="text-align: center;"><b><u>APPLICATION</u></b></p> <p>When the air temperature is at 35°F, substrates may be colder; prior to painting, check to be sure the <b>air, surface, and material temperature</b> 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. <b>Brush</b> - Use a Contractor Series nylon/polyester or Purdy XL-Pro Extra brush. <b>Roller</b> - Use a 50/50 Poly-Wool or Purdy Golden Eagle 3/8" - 3/4" nap synthetic cover. <b>Spray—Airless</b> Pressure..... 2000 psi Tip..... .015"-.019"</p> <p style="text-align: center;"><b><u>CLEANUP INFORMATION</u></b></p> <p>Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.</p>	<p>For exterior use only. Protect from freezing. Non-photochemically reactive.</p> <p><b>CAUTION</b> contains <b>CRYSTALLINE SILICA, ZINC</b>. 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 (<b>NIOSH</b> 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 (<b>NIOSH</b> 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. <b>FIRST AID:</b> 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. <b>DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.</b> 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. <b>WARNING:</b> This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. <b>DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.</b> HOTW 01/13/20135 K43W00051 23 37</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 <a href="http://www.paintdocs.com">www.paintdocs.com</a> to obtain the most current version of the PDS and/or an MSDS.</p>



# PRO

## INDUSTRIAL™

## WATERBASED ALKYD URETHANE ENAMEL

B53-1050 SERIES  
B53-1150 SERIES  
B53-1250 SERIES

GLOSS  
SEMI- GLOSS  
LOW SHEEN

As of 3/15/2016, 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		NGBS	Yes

### PRODUCT DESCRIPTION

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

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

### PRODUCT CHARACTERISTICS

**Color:** most colors  
Extra White B53W01051

**Recommended Spread Rate per coat:**

Wet mils: 4.0 - 5.0  
Dry mils: 1.4 - 1.7  
Coverage: 320 - 400 sq ft/gal

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

**Drying Time @ 4.0 mils wet 50% RH:**

**@ 77°F**

To touch: 1-2 hrs  
To recoat: 12 hrs

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

**Finish:** 75+ @ 60° Gloss  
55-70 @ 60° Semi-Gloss  
15-25 @ 60° Low Sheen

**Flash Point:** N/A

**Vehicle Type:** Urethane modified alkyd

**Tinting with CCE:**

Base	oz/gal	Strength
Extra White	0 - 6	SherColor
Deep Base	4 - 12	SherColor
Ultradeep Base	10 - 14	SherColor

**Extra White B53W01051** (may vary by color and 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:** 34 ± 2%  
**Weight Solids:** 47 ± 2%  
**Weight per Gallon:** 10.28 lb/gal ± 2%

### RECOMMENDED SYSTEMS

#### Steel:

1 ct. Pro Industrial Pro-Cryl Primer  
2 cts. Pro Industrial Waterbased Alkyd Urethane

#### Aluminum:

1 ct. Pro Industrial Pro-Cryl Primer  
2 cts. Pro Industrial Waterbased Alkyd Urethane

#### Galvanizing:

1 ct. Pro Industrial Pro-Cryl Primer  
2 cts. Pro Industrial Waterbased Alkyd Urethane

#### Concrete Block:

1 ct. Heavy Duty Block Filler  
2 cts. Pro Industrial Waterbased Alkyd Urethane

#### Concrete/Masonry:

1 ct. Loxon Concrete & Masonry Primer  
2 cts. Pro Industrial Waterbased Alkyd Urethane

#### Drywall:

1 ct. ProMar 200 Zero VOC Primer  
2 cts. Pro Industrial Waterbased Alkyd Urethane

#### Wood, Exterior:

1 ct. Exterior Wood Primer  
2 cts. Pro Industrial Waterbased Alkyd Urethane

#### Wood, Interior:

1 ct. Premium Wall & Wood Primer  
2 cts. Pro Industrial Waterbased Alkyd Urethane

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

**System Tested:** (unless otherwise indicated)

**Substrate:** Cold Rolled Steel  
**Finish:** 1 ct. Pro Industrial Waterbased Alkyd Urethane  
4 mils wet

#### Pencil Hardness:

Method: ASTM D3363  
Result: 5H

#### Flexibility:

Method: ASTM D522, 180° bend,  
1/8" mandrel  
Result: Excellent no cracking

#### Dry Heat Resistance:

Method: ASTM D2485  
Result: 200°F

#### Block Resistance:

Lab assessment: Excellent

#### Resistance to Yellowing:

Lab assessment: Excellent

#### Oil resistance Lanolin:

Lab assessment: Excellent





# PRO INDUSTRIAL WATERBASED ALKYD URETHANE 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.

**Do not use hydrocarbon solvents for cleaning.**

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

**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.

**Concrete Block** - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 50°F before filling. Use Heavy Duty Block Filler or Loxon Block Surfacer. The filler must be thoroughly dry before topcoating.

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

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

**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 Safety Data Sheets (SDSs) before use. **FOR PROFESSIONAL USE ONLY.** Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

## 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:** 50°F minimum  
100°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**

Pressure .....2000 psi  
Hose ..... 1/4" ID  
Tip ..... .013" - .017"  
Filter ..... 60 mesh  
Reduction .....Not recommended

**Brush** ..... Nylon / polyester  
Reduction .....Not recommended

**Roller** ..... 1/4-1/2" woven  
Reduction .....Not recommended

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

## CLEANUP INFORMATION

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

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KOR,FRC, SP



# PRO

## INDUSTRIAL™

### WATERBASED ACROLON™ 100 WATERBASED URETHANE

**Part A** B65W00721 Extra White Base  
**Part A** B65T00724 Ultradeep/Clear Base  
**Part A** B65B00720 Black  
**Part A** B65R00720 Safety Red  
**Part A** B65Y00720 Safety Yellow

**Part B** B65V00720 Hardener

As of 10/09/2015, Complies with:			
OTC	Yes	LEED® 09 CI	Yes
SCAQMD	Yes	LEED® 09 NC	Yes
CARB	Yes	LEED® 09 CS	Yes
CARB SCM 2007	Yes	CalGreen 2013	Yes
MPI		NGBS	Yes

### CHARACTERISTICS

**Pro Industrial Water Based Acrolon 100** is an advanced technology, <100 g/L VOC, waterbased, acrylic urethane. It provides performance properties comparable to premium quality solvent based urethanes. This is a high gloss, abrasion resistant urethane that has excellent weathering properties.

- Can be applied directly to water based and solvent based organic zinc rich primers
- Suitable for use in USDA inspected facilities
- Acceptable for use in high performance architectural applications

**Color:** many colors

**Recommended Spread Rate per coat:**

Wet mils: 4.0 - 8.0

Dry mils: 1.8 - 3.6

Coverage: 200 - 400 sq ft/gal

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

**Drying Time @ 5.0 mils wet 50% RH:**

@ 55°F @ 77°F @ 120°F

To touch: 3 hr 1.5 hr 45 min

To handle: 12 hrs 6 hrs 2 hrs

To recoat:

minimum: 16 hrs 8 hrs 2-4 hrs

maximum: 3 months

To Cure: 14 Days 10 Days 2 days

Pot Life: 2.5 hrs 2 hrs 45 min

Sweat-in-Time: None

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

**Finish:** 80+ @ 60° High Gloss

**Flash Point:** 105°F TCC catalyzed

**Shelf Life:** 24 months, unopened

Store indoors at 40°F to 100°F.

**Tinting part A with CCE or Envirotone:**

Use the 100% tint strength formula pages. Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color.

**Extra White B65W00721/B65V00720**

**VOC (less exempt solvents):** Mixed/Unreduced:

97 g/L - 0.81 lb/gal

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

**Mix Ratio:** 4:1 by volume

**Volume Solids:** 45 ± 2%

**Weight Solids:** 52 ± 2%

**Weight per Gallon:** 9.54 lb

### RECOMMENDED SYSTEMS

#### Steel:

1 ct. Pro Industrial Pro-Cryl Primer

1-2cts. Pro Industrial Water Based Acrolon 100

#### Steel:

1 ct. Zinc-Clad IV Primer

1-2cts. Pro Industrial Water Based Acrolon 100

#### Steel:

1 ct. Zinc-Clad IV Primer

1 ct. Macropoxy 646-100

1-2cts. Pro Industrial Water Based Acrolon 100

#### Aluminum:

1 ct. DTM Wash Primer

1-2cts. Pro Industrial Water Based Acrolon 100

#### Concrete Block (CMU):

1 ct. Heavy Duty Blockfiller

1-2cts. Pro Industrial Water Based Acrolon 100

#### Concrete: (high performance)

1 ct. Kem Cati-Coat HS Epoxy Filler/Sealer

1-2cts. Pro Industrial Water Based Acrolon 100

#### Concrete/Masonry:

1 ct. Loxon Concrete & Masonry Primer

1-2cts. Pro Industrial Water Based Acrolon 100

#### Drywall:

1 ct. ProMar 200 Zero VOC Primer

1-2cts. Pro Industrial Water Based Acrolon 100

#### Galvanizing:

1 ct. DTM Wash Primer

1-2cts. Pro Industrial Water Based Acrolon 100

#### Pre-Finished Siding: (Baked-on finishes)

1 ct. Bond-Plex WB Acrylic

1-2cts. Pro Industrial Water Based Acrolon 100

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

**System Tested:** (\*unless otherwise indicated below)

**Substrate:** Steel

**Surface Preparation\*:** SSPC-SP10

1 ct. Waterbased Tile-Clad Primer @ 4.0 mils (100 microns) dft

1 ct. Pro Industrial Waterbased Acrolon 100 @ 3.0 mils (75 microns) dft

#### Adhesion:

Method: ASTM D4541

Result: 1080 psi

#### Corrosion Weathering:

Method: ASTM D5894, 10 cycles

3360 hours,

Result: Rating 10, per ASTM D610

for rusting, no more than

1/8" rust creepage at scribe

#### Direct Impact Resistance:

Method: ASTM D2794

Result: >160 in. lb

#### Flexibility:

Method: ASTM D522, 180° bend,

1/8" mandrel

Result: Pass

#### Pencil Hardness:

Method: ASTM D3363

Result: 3H

#### Salt Fog Resistance: System Tested

(Zinc Clad IV, 2 coats Water Based Acrolon 100)

Method: ASTM B117, 4000 hours

Rating 9 per ASTM D610 for rusting

#### Scrub Resistance:

Method: ASTM D2486, 5000+ cycles, with no visible wear

#### Accelerated Weathering - QUV:

Method: ASTM D4587, QUV-A,

2000 hours

Result: Passes

# PRO INDUSTRIAL WATER BASED ACROLON 100



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.

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

**Do not use hydrocarbon solvents for cleaning.**

**Iron & Steel** - Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. Minimum surface preparation is Commercial Blast Cleaning per SSPC-SP6/NACE 3. For better performance, use Near White Blast Cleaning per SSPC-SP10/NACE 2. Blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2 mils / 50 microns). Prime any bare steel the same day as it is cleaned or before flash rusting occurs.

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

**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. Primer required.

**Concrete and Masonry** - For surface preparation, refer to SSPC-SP13/NACE 6, or ICRI No. 310.2R, CSP 1-3. Surfaces should be thoroughly cleaned and dry. Concrete and mortar must be cured at least 28 days @ 75°F (24°C). Surface temperatures must be at least 55°F before filling. Surface must be free of laitance, concrete dust, dirt, form release agents, moisture curing membranes, loose cement and hardeners. Fill bug holes, air pockets and other voids. Primer required.

**Pre-Finished Siding: (Fluorocarbon, Silicone Polyester, and Polyester Polymers)** Remove oil, grease, dirt, oxides, and other contaminants from the surface by cleaning per SSPC-SP1 or water blasting per NACE Standard RP-01-72 (caution: excessive blasting pressure may cause warping, use caution). Always check for compatibility of the previously painted surface with the new coating by applying a test patch of 2 - 3 square feet. Allow to dry thoroughly for 1 week before checking adhesion. Use recommended primer.

## APPLICATION PROCEDURES

**Mix separate components thoroughly with low speed agitation before use. Make certain no pigment remains on the bottom of the can. Then combine 4 parts by volume of Part A with 1 part by volume of Part B. Mix thoroughly with low speed agitation. Reduce 5% - 15% by volume with water for brush and roll application.**

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.

## SAFETY PRECAUTIONS

Refer to the SDS sheets before use.

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

## PERFORMANCE TIPS

Stripe coat crevices, welds, and sharp angles to prevent early failure in these areas.

Do not mix previously catalyzed material with new.

Do not apply the material beyond recommended pot life.

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.

## APPLICATION

**Temperature:** 55°F(13°C) minimum  
120°F (49°C) maximum  
(Air, surface, and material)  
At least 5°F (2.8°C) 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. Reduction over 15% of material can affect film build, appearance, and adhesion.

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.

Clear Tint Base (B65T00724) can be used as clear coat

**Reducer:** Water

**Airless Spray**

Unit ..... 30:1 Pump  
Pressure ..... 2700-3000 psi  
Hose ..... 1/4" ID  
Tip ..... .015" - .015"  
Filter ..... 60 mesh  
Reduction ....As needed up to 15% by volume

**Conventional Spray**

Gun..... DeVilbiss JGA  
Fluid Nozzle..... E  
Air Nozzle ..... 765  
Atomization Pressure ..... 45-55 PSI  
Fluid Pressure ..... 10-20 PSI  
Reduction ....As needed up to 15% by volume

In order to avoid blockage of spray equipment, clean equipment before use or before periods of extended downtime with water.

**Brush** .....Nylon / polyester  
Reduction ....As needed up to 15% by volume  
Water, 5-15% minimum reduction required for brush and roll

**Roller** .....3/8" woven  
Reduction ....As needed up to 15% by volume  
Water, 5-15% minimum reduction required for brush and roll.

If specific application equipment is not 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.

KOR,FRC,SP

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](http://www.paintdocs.com) to obtain the most current version of the PDS and/or an SDS.

**THE SHERWIN-WILLIAMS COMPANY COMMERCIAL CREDIT APPLICATION**

**DATE:**

Full Legal Name of Business ("APPLICANT"):

Please Select One PROPRIETORSHIP PARTNERSHIP LLC CORPORATION STATE INCORPORATED:

Physical Headquarters Address

Billing Address (if different)

Address:

City, State, Zip:

Name and Title of Authorized Representative/Contact:

Work Phone:

Cell Phone:

Fax #:

Year Business Started

Annual Sales

# of Employees

Contractor License #

Parent Company (if any) Name:

City:

State:

Zip:

Type of Business

For Painters Please Check Main Work Type

Commercial Industrial

Maintenance New Residential

Residential Repair Other

Would you like to receive your invoices and/or monthly statements via email instead of US Mail?

Invoices: Y N

Statements: Y N

Email address for invoices/statements:

Would you like to receive promotional offers via email? Y N

Email Address for Promotions:

**GUARANTOR INFORMATION--RECOMMENDED for all Proprietorships, Majority Owners of a Partnership and for Corporations or LLCs in business less than 3 years. If completing the guarantor information do not enter any number other than your Social Security # in the space provided for the Social Security #.**

**APPLICATION INFORMATION MAY BE USED TO OBTAIN A PERSONAL CREDIT REPORT FROM A CONSUMER REPORTING AGENCY.**

Name: Relation to Business: Social Security #

Home Address: City: State: Zip Code:

Name: Relation to Business: Social Security #

Home Address: City: State: Zip Code:

Trade References (Name, Address, City, State, Zip) Phone # Fax #

1)

2)

3)

Applicant, through its authorized representative, represents and warrants that Applicant is applying for a commercial credit account from The Sherwin-Williams Company ("SW") that will be used for business purposes. Applicant and each person whose information is provided in the Guarantor section of this Application (each, a "Guarantor") authorizes SW to investigate Applicant's and Guarantor's credit history, respectively, both business and **personal** (which may include obtaining business and/or **personal** credit reports from a credit reporting agency), bank references and any other information deemed necessary by SW in connection with the establishment and maintenance of Applicant's commercial credit account. SW may report account activity and payment history to certain third parties, including credit bureaus.

If credit is granted, it is understood that the terms of sale are net 20th of the month following purchase. Applicant agrees: (a) to make timely payment for all goods and services supplied to Applicant regardless of any credit limit assigned by SW, and (b) in the event Applicant's account is placed for collection to pay all costs including actual attorney's fees and court costs incurred by SW in the collection of any amounts owed to SW by Applicant. In the event of default and in addition to all other available remedies, SW may charge interest on any past due balance at the rate of 1.5% per month (i.e., 18% per annum) with said interest being calculated from the date of default. By signing below, each **Guarantor personally guarantees** to SW the collection of the amounts due hereunder upon Applicant's failure to pay as agreed and shall be jointly and severally liable for the debt of Applicant, including any fees and charges.

No Modification of this Application or agreement will be binding on SW unless approved by an authorized representative of SW's Credit Department.

Signature Date Signature Date  
Printed Name: Printed Name:

INTERNAL USE STORE # CAC TERR # ACCOUNT #