



SHERWIN-WILLIAMS®

# Product Submittal

*All Buildings Exterior*

Presented By:  
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May 03, 2019

## Exterior Finishes

### Building Envelope

**Spot Prime:** B66W01310 - PI PROCRYL PR OF W

- Secondary Location: Body Of Building

*Notes: Apply per data sheet to any rusted surface after wire brushing and removing all contaminants.*

**First Coat:** K44W00051 - Resilience® Exterior Acrylic Latex Gloss Extra White

- Secondary Location: Body Of Building

*Notes: Apply per data sheet after removing all chalky residue and contaminants.*

**Second Coat:** K44W00051 - Resilience® Exterior Acrylic Latex Gloss Extra White

- Secondary Location: Body Of Building

*Notes: Apply per data sheet after removing all chalky residue and contaminants.*

### Doors Steel/Ferrous Metal

**Spot Prime:** B66W01310 - PI PROCRYL PR OF W

- Secondary Location: Doors

*Notes: Apply per data sheet to any rusted surface after wire brushing and removing all contaminants.*

**First Coat:** K44W00051 - Resilience® Exterior Acrylic Latex Gloss Extra White

- Secondary Location: Doors

*Notes: Apply per data sheet after removing all chalk residue and contaminants.*

**Second Coat:** K44W00051 - Resilience® Exterior Acrylic Latex Gloss Extra White

- Secondary Location: Doors

*Notes: Apply per data sheet after removing all chalk residue and contaminants.*

### Mansard

**Primer:** B66A01320 - PI PROCRYL PR M GR

*Notes: Apply per data sheet to whole surface after all rusted surface is wire brushed and after removing all contaminants.*

**First Coat:** B66T00354 - Sher-Cryl HPA High Performance Acrylic Semi-Gloss Coating  
Ultradeep/Clear Tint Base

*Notes: Apply per data sheet*

**Second Coat:** B66T00354 - Sher-Cryl HPA High Performance Acrylic Semi-Gloss Coating  
Ultradeep/Clear Tint Base

*Notes: Apply per data sheet*

### Mansard Upgraded Option

**Primer:** B66A01320 - PI PROCRYL PR M GR

*Notes: Apply per data sheet to whole surface after all rusted surface is wire brushed and after removing all contaminants.*

**First Coat:** B65T00724 - Pro Industrial Waterbased Acrolon 100 Polyurethane (Part A) Ultradeep  
Base

*Notes: Apply per data sheet*

**Second Coat:** B65V00720 - Pro Industrial Waterbased Acrolon 100 Polyurethane (Part B)  
Hardener

*Notes: Apply per data sheet*

### Concrete Masonry Block

**Primer:** B25W00025 - PrepRite® Interior/Exterior Latex Block Filler White



**SHERWIN-WILLIAMS.**

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*Notes: Apply per data sheet after removing all contaminates.*

**First Coat:** K44W00051 - Resilience® Exterior Acrylic Latex Gloss Extra White

*Notes: Apply per data sheet*

**Second Coat:** K44W00051 - Resilience® Exterior Acrylic Latex Gloss Extra White

*Notes: Apply per data sheet*



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## Basic Surface Preparation

Coating performance is directly affected by surface preparation. Coating integrity and service life will be reduced because of improperly prepared surfaces. As high as 80% of all coating failures can be directly attributed to inadequate surface preparation that affects coating adhesion. Proper product selection, surface preparation, and application affect coating performance. Coating integrity and service life will be reduced because of improperly prepared surfaces. Selection and implementation of proper surface preparation ensures coating adhesion to the substrate and prolongs the service life of the coating system.

The majority of paintable surfaces are concrete, ferrous metal, galvanizing, wood and aluminum. They all require protection to keep them from deteriorating in aggressive environments. Selection of the proper method for surface preparation depends on the substrate, the environment, the coating selected, and the expected service life of the coating system. Economics, surface contamination, and the effect on the substrate will also influence the selection of surface preparation methods. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Verify the existence of lead based paints on the project. Buildings constructed after 1978 are less likely to contain lead based paints. If lead based paints are suspected on the project, all removal must be done in accordance with the EPA Renovation, Repair and Painting and all applicable state and local regulations. State and local regulations may be more strict than those set under the federal regulations. Verify that Owner has completed a Hazardous Material Assessment Report for the project prior to issuing of Drawings. Concluding that no lead based paints were found on project site, delete paragraph regarding lead based paints.

**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. Removal must be done in accordance with EPA Renovation, Repair and Painting Rule and all related state and local regulations. Care should be taken to follow all state and local regulations which may be more strict than those set under the federal RRP Rule.

No exterior painting should be done immediately after a rain, during foggy weather, when rain is predicted, or when the temperature is below 50°F, unless the products to be used are designed to be used in those environments.

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**Aluminum – S-W 1:** Remove all oil, grease, dirt, oxide and other foreign material by cleaning per SSPC-SP1, Solvent Cleaning.

**Block (Cinder and Concrete) – S-W 3:** Remove all loose mortar and foreign material. Surface must be free of laitance, concrete dust, dirt, form release agents, moisture curing membranes, loose cement, and hardeners. Concrete and mortar must be cured at least 28 days at 75°F. The pH of the surface should be between 6 and 9. On tilt-up and poured-in-place concrete, commercial detergents and abrasive blasting may be necessary to prepare the surface. Fill bug holes, air pockets, and other voids with a cement patching compound (per ASTM D4261).

**Brick – S-W 4:** 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.

**Concrete and Masonry – Concrete, Poured – Exterior or Interior – S-W 5:** The preparation of new concrete surfaces is as important as the surface preparation of steel. The following precautions will help assure maximum performance of the coating system and satisfactory coating adhesion:

- 1. Cure** – Concrete must be cured prior to coating. Cured is generally defined as concrete poured and aged at a material temperature of at least 75°F for at least 28 days unless specified products are designed for earlier application.
- 2. Moisture** – Reference ASTM F1869-98 Moisture Test by use of Calcium Chloride or ASTM D4263 Plastic Sheet Method. Concrete must be free from moisture as much as possible (it seldom falls below 15%). Vapor pressures, temperature, humidity, differentials, and hydrostatic pressures can cause coatings to prematurely fail. The source of moisture, if present, must be located, and the cause corrected prior to coating.
- 3. Temperature** – Air, surface and material temperatures must be in keeping with requirements for the selected product during and after coating application, until coating is cured.

**4. Contamination** – Remove all grease, dirt, paint, oil, laitance, efflorescence, loose mortar, and cement by the recommendations listed in the surface preparation section.

**5. Surface Condition** – Hollow areas, bug holes, voids, honeycombs, fin form marks, and all protrusions or rough edges are to be ground or stoned to provide a continuous surface of suitable texture for proper adhesion of the coating. Imperfections may require filling, as specified, with a recommended Sherwin-Williams product.

**6. Concrete Treatment** – Hardeners, sealers, form release agents, curing compounds, and other concrete treatments should be removed to ensure adequate coating adhesion and performance.

**Methods of Surface Preparation on Concrete per SSPC-SP13/NACE 6 or ICRI 03732 Surface Cleaning Methods: Vacuum cleaning, air blast cleaning, and water cleaning per ASTM D4258.**

Used to remove dirt, loose material, and/or dust from concrete.

**Detergent water cleaning and steam cleaning per ASTM D4258.**

Used to remove oils and grease from concrete. Prior to abrasive cleaning, and after abrasive cleaning, surfaces should be cleaned by one of the methods described above.

**Mechanical Surface Preparation Methods:**

Dry abrasive blasting, wet abrasive blasting, vacuum assisted abrasive blasting, and centrifugal shot abrasive blasting per ASTM D4259. Used to remove contaminants, laitance, and weak concrete, to expose subsurface voids, and to produce a sound concrete surface with adequate profile and surface porosity.

**High-pressure water cleaning or water jetting per SSPC-SP12-NACE5.**

Used to remove contaminants, laitance, and weak concrete, to expose subsurface voids, and to produce a sound concrete surface with adequate profile and surface porosity.

**Impact tool methods per ASTM D4259.**

Used to remove existing coatings, laitance, and weak concrete. Methods include scarifying, planing, scabbling, and rotary peening. Impact tools may fracture concrete surfaces or cause microcracking requiring surface repair.

**Power tool methods per ASTM D4259.**

Used to remove existing coatings, laitance, weak concrete, and protrusions in concrete. Methods include circular grinding, sanding, and wire brushing. These methods may not produce the required surface profile to ensure adequate adhesion of subsequent coatings.

**Chemical Surface Preparation Methods:**

**Acid etching per ASTM D4260.** Use to remove some surface contaminants, laitance, and weak concrete, and to provide a surface profile on horizontal concrete surfaces. This method requires complete removal of all reaction products and pH testing to ensure neutralization of the acid. Not recommended for vertical surfaces. Etching with hydrochloric acid shall not be used where corrosion of metal in the concrete is likely to occur. Adequate ventilation and safety equipment required.

1. Clean surface per ASTM D4268
2. Wet surface with clean water
3. Etch with 10-15% muriatic acid solution at the rate of 1 gallon per 75 square feet
4. Scrub with stiff brush
5. Allow sufficient time for scrubbing and until bubbling stops
6. If no bubbling occurs, surface is contaminated. Refer to ASTM D4258 or ASTM D4259
7. Rinse surface two or three times. Remove acid/water each time.
8. Surface should have a texture similar to medium grit sandpaper.
9. Neutralize surface with a 3% solution of tri-sodium phosphate and flush with clean water.
10. Allow to dry and check for excess moisture.

**Cement Composition Siding/Panels – S-W 6:** 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. Pressure clean, if needed, with a minimum of 2100 psi pressure to 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, many times the pH may be 10 or higher.

**Composition Board (Hardboard) – S-W 9:** Some composition boards may exude a waxy material that must be removed with a solvent prior to coating. Whether factory primed or unprimed, exterior composition board siding (hardboard) must be cleaned thoroughly and primed with an alkyl primer.

**Copper – S-W 7:** Remove all oil, grease, dirt, oxide and other foreign material by cleaning per SSPC-SP2, Hand Tool Cleaning.

**Drywall—Interior and Exterior – S-W 8:** Must be clean and dry. All nail heads must be set and spackled. Joints must be taped and covered with a joint compound. Spackled nail heads and tape joints must be sanded smooth and all dust removed prior to painting. Exterior surfaces must be spackled with exterior grade compounds.

**Galvanized Metal – S-W 10:** Allow to weather a minimum of 6 months prior to coating. Clean per SSPC-SP1 using detergent and water or a degreasing cleaner, then prime as required. 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 area, priming as required. Allow the coating to dry at least one week before testing. If adhesion is poor, Brush Blast per SSPC-SP16 is necessary to remove these treatments.

**Plaster – S-W 11:** Must be allowed to dry thoroughly for at least 30 days before painting. Room must be ventilated while drying; in cold, damp weather, rooms must be heated. Damaged areas must be repaired with an appropriate patching material. 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.

### **Steel/Ferrous Metal Substrates**

**SSPC-SP1- Solvent Cleaning:** Solvent cleaning is a method for removing all visible oil, grease, soil, drawing and cutting compounds, and other soluble contaminants. Solvent cleaning does not remove rust or mill scale. Change rags and cleaning solution frequently so that deposits of oil and grease are not spread over additional areas in the cleaning process. Be sure to allow adequate ventilation. Follow manufacturer's safety recommendations when using solvents. For complete instructions, refer to Steel Structures Paint Council Surface Preparation Specification No.1. (Refer to each products cleaning instructions. Many acrylic coatings will state; When cleaning the surface per SSPC-SP1, use only an emulsifying industrial detergent, followed by a water rinse. **Do not use hydrocarbon solvents for cleaning.**)

**SSPC-SP2 - Hand Tool Cleaning:** Hand Tool Cleaning removes all loose mill scale, loose rust, and other detrimental foreign matter. It is not intended that adherent mill scale, rust, and paint be removed by this process. Mil scale, rust, and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before hand tool cleaning, remove visible oil, grease, soluble welding residues, and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Steel Structures Paint Council Surface Preparation Specification No.2.

**SSPC-SP3 - Power Tool Cleaning:** Power Tool Cleaning removes all loose mill scale, loose rust, and other detrimental foreign matter. It is not intended that adherent mill scale, rust, and paint be removed by this process. Mil scale, rust, and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before power tool cleaning, remove visible oil, grease, soluble welding residues, and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Steel Structures Paint Council Surface Preparation Specification No.3.

**SSPC-SP5 / NACE 1 - White Metal Blast Cleaning:** A White Metal Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products, and other foreign matter. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP 1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP5/ NACE No.1.

**SSPC-SP6 / NACE 3 - Commercial Blast Cleaning:** A Commercial Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products, and other foreign matter, except for staining. Staining shall be limited to no more than 33 percent of each square inch of surface area and may consist of light shadows, slight streaks, or minor discoloration caused by stains of rust, stains of mill scale, or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP 1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP6/NACE No.3.

**SSPC-SP7 / NACE 4 - Brush-Off Blast Cleaning:** A Brush-Off Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, loose mill scale, loose rust, and loose paint. Tightly adherent mill scale, rust, and paint may remain on the surface. Mil scale, rust, and coating are considered adherent if they cannot be removed by lifting with a dull putty knife. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP 1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP7/NACE No.4.

**SSPC-SP10 / NACE 2 - Near-White Blast Cleaning:** A Near White Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products, and other foreign matter, except for staining. Staining shall be limited to no more than 5 percent of each square inch of surface area and may consist of light shadows, slight streaks, or minor discoloration caused by stains of rust, stains of mill scale, or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP 1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPCSP10/ NACE No.2.

**SSPC-SP11 - Power Tool Cleaning to Bare Metal:** Metallic surfaces that are prepared according to this specification, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxide corrosion products, and other foreign matter. Slight residues of rust and paint may be left in the lower portions of pits if the original surface is pitted. Prior to power tool surface preparation, remove visible deposits of oil or grease by any of the methods specified in SSPC-SP 1, Solvent Cleaning, or other agreed upon methods. For complete instructions, refer to Steel Structures Paint Council Surface Preparation Specification No.11.

**SSPC-SP12 / NACE 5 - Surface Preparation and Cleaning of Metals by Waterjetting Prior to Recoating:** High- and Ultra-High Pressure Water Jetting for Steel and Other Hard Materials This standard provides requirements for the use of high- and ultra-high pressure water jetting to achieve various degrees of surface cleanliness. This standard is limited in scope to the use of water only, without the addition of solid particles in the stream. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP12/NACE No.5.

**SSPC-SP13 / NACE 6 or ICRI 03732 - Surface Preparation of Concrete:** This standard gives requirements for surface preparation of concrete by mechanical, chemical, or thermal methods prior to the application of bonded protective coating or lining systems. The requirements of this standard are applicable to all types of cementitious surfaces including cast-in-place concrete floors and walls, precast slabs, masonry walls and shotcrete surfaces. An acceptable prepared concrete surface should be free of contaminants, laitance, loosely adhering concrete, and dust, and should provide a dry, sound, uniform substrate suitable for the application of protective coating or lining systems. Depending upon the desired finish and system, a block filler may be required. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP13/NACE No.6 or ICRI 03732

**SSPC-SP14 / NACE 8 – Industrial Blast Cleaning:** This standard gives requirements for industrial blast cleaning of unpainted or painted steel surfaces by the use of abrasives. This joint standard allows defined quantities of mill scale and/or old coating to remain on the surface. An industrial blast cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dust, and dirt. Traces of tightly adherent mill scale, rust, and coating residue are permitted to remain on 10% of each unit area of the surface. The traces of mill scale, rust, and coating shall be considered tightly adherent if they cannot be lifted with a dull putty knife. Shadows, streaks, and discolorations caused by stains of rust, stains of mill scale, and stains of previously applied coating may be present on the remainder of the surface.

**SSPC-SP16 Brush-Off Blast Cleaning of Coated and Uncoated Galvanized Steel, Stainless Steels, and Non-Ferrous Metals:** This standard covers the requirements for brush-off blast cleaning of uncoated or coated metal surfaces other than carbon steel by the use of abrasives. These requirements include visual verification of the end condition of the surface and materials and procedures necessary to achieve and verify the end condition. A brush-off blast cleaned non-ferrous metal surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, metal oxides (corrosion products), and other foreign matter. Intact, tightly adherent coating is permitted to remain. A coating is considered tightly adherent if it cannot be removed by lifting with a dull putty knife.

**High- and Ultra-High Pressure Water Jetting for Steel and Other Hard Materials:**

**SSPC-SP WJ-1/NACE WJ-1:** Clean to Bare Substrate (WJ-1) is intended to be similar to the degree of surface cleanliness of SSPC-SP 5/NACE 1, except that stains are permitted to remain on the surface. This standard is used when the objective is to remove every trace of rust and other corrosion products, coating and mill scale.

**SSPC-SP WJ-2/NACE WJ-2:** Very Thorough Cleaning (WJ-2) is intended to be similar to the degree of surface cleanliness of SSPC-SP 10/NACE 2, except that tightly adherent material, rather than only stains, is permitted to remain on the surface. This standard is used when the objective is to remove almost all rust and other corrosion products, coating, and mill scale.

**SSPC-SP WJ-3/NACE WJ-3:** Thorough Cleaning (WJ-3) is intended to be similar to the degree of surface cleanliness of SSPC-SP 10/NACE 2, except that tightly adherent material, rather than only stains, is permitted to remain on the surface. This standard is used when the objective is to remove much of the rust and other corrosion products, coating, and mill scale, leaving tightly adherent thin films.

**SSPC-SP WJ-4/NACE WJ-4:** Light Cleaning (WJ-4) is intended to be similar to the degree of surface cleanliness of SSPC-SP 10/NACE 2, except that tightly adherent material, rather than only stains, is permitted to remain on the surface. This standard is used when the objective is to allow as much of the tightly adherent rust and other corrosion products, coating, and mill scale to remain as possible, Discoloration of the surface may be present.

**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.

**Stucco S-W 22 :** Must be clean and free of any loose stucco. If recommended procedures for applying stucco are followed, and normal drying conditions prevail, the surface may be painted in 30 days. The pH of the surface should be between 6 and 9.

**Wood—Exterior – S-W 23:** Must be clean and dry. Prime and paint as soon as possible. Knots and pitch streaks must be scraped, sanded, and spot primed before a full priming coat is applied. Patch all nail holes and imperfections with a wood filler or putty and sand smooth. Caulk should be applied after priming.

**Wood—Interior – S-W 24:** All finishing lumber and flooring must be stored in dry, warm rooms to prevent absorption of moisture, shrinkage, and roughening of the wood. All surfaces must be sanded smooth, with the grain, never across it. Surface blemishes must be corrected and the area cleaned of dust before coating.

**Vinyl Siding, Architectural Plastics, PVC & Fiberglass: – S-W 24:** Clean the surface thoroughly by scrubbing with warm, soapy water. Rinse thoroughly, prime with appropriate white primer. Do not paint vinyl with any color darker than the original color. Do not paint vinyl with a color having a Light Reflective Value (LRV) of less than 56 unless VinylSafe® Colors are used. If VinylSafe® Colors are not used and darker colors lower than an LRV of 56 are, the vinyl may warp. Follow all painting guidelines of the vinyl manufacturer when painting. Only paint properly installed vinyl siding. Deviating from the manufacturer's painting guidelines may cause the warranty to be voided.

**Previously Coated Surfaces – S-W 12:** 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 per ASTM D4259.

#### **Touch-Up, Maintenance and Repair**

For a protective coating system to provide maximum long-term protection, regularly scheduled maintenance is required. Maintenance includes inspection of painted areas, cleaning of surfaces to remove oils, chemicals, and other contaminants, and touch-up of areas where the coatings have been damaged. Highly corrosive areas, such as those subjected to frequent chemical spillage, corrosive fumes, and/or high abrasion or temperature areas should be inspected frequently – every six months, for example. Areas exposed to less severe conditions, such as interiors and exteriors of potable water tanks, may be inspected annually to assess the condition of the coating system.

The SSPC-VIS 2, Standard Method for Evaluating Degree of Rusting on Painted Steel Surfaces, can be used as a guide to determine appropriate touch-up and repairs maintenance schedules. Touch-up would be suggested when the surface resembles Rust Grade 5-S (Spot Rusting), 6-G (General Rusting), or 6-P (Pinpoint Rusting). Surface preparation would generally consist of SSPC-SP2, SP3, SP11, or SP12. Overcoating a well protected, but aged steel surface showing no evidence of rusting, may be achieved by Low Pressure Water Cleaning per SSPC-SP12/WJ4, and applying an appropriate coating system.

Full removal of the existing coating system by abrasive blasting would be recommended when the surface resembles Rust Grade 3-S (Spot Rusting), 4-G (General Rusting), or 4-P (Pinpoint Rusting). When the coating system has deteriorated to encompass approximately 33% of the surface area, it is always more economical to consider full removal and reapplication of the appropriate protective coating system.

**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.





*SHERWIN-WILLIAMS*®

# Reference Pages

# Data Pages



# PRO

## INDUSTRIAL™



# PRO-CRYL®

## UNIVERSAL PRIMER

B66W01310 Off White  
B66A01320 Medium Grey  
B66N01310 Red Oxide

As of 04/17/2017, Complies with:

OTC	Yes	LEED® 09 NC, CI	Yes
OTC Phase II	Yes	LEED® 09 CS	Yes
SCAQMD	Yes	LEED® 09 H&S	Yes
CARB	Yes	LEED® v4 Emissions	Yes
CARB SCM 2007	Yes	LEED® v4 VOC	Yes
Canada	Yes	MPI	Yes

### CHARACTERISTICS

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

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

**For use on properly prepared:**

- Steel, Galvanized & Aluminum
- Wood

**Color:** Off White,

**Recommended Spread Rate per coat:**

Wet mils: 5.0 - 10.0

Dry mils: 1.9 - 3.8

~Coverage: 160 - 320 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 @ 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

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**

**Off White B66W01310** (may vary by color)

**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:** 38% ± 2%

**Weight Solids:** 49% ± 2%

**Weight per Gallon:** 10.09 lb

### RECOMMENDED SYSTEMS

**Water Based Topcoat:**

- 1-2 cts. Pro Industrial Acrylic Coating
- or Pro Industrial Acrylic Dryfall
- or Pro Industrial DTM Acrylic
- or Pro Industrial Multi-Surface Acrylic
- or Pro Industrial Pre-Catalyzed Epoxy
- or Pro Industrial Water Based Acrolon 100
- or Pro Industrial Water Base Alkyd Urethane
- or Pro Industrial Water Based Catalyzed Epoxy
- or Sherwin-Williams Architectural Coatings

**Solvent Based Topcoat:**

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

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

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

Substrate: Steel

Surface Preparation: SSPC-SP10

1 ct. Pro Industrial Pro-Cryl Universal Off White Primer

1 ct. Pro Industrial Acrylic Coating

**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: B

**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 to federal specification: AA50557 and Paint Specification: SSPC-Paint 23.

**Flexibility:**

Method: ASTM D522, 180° bend,

1/4" mandrel

Result: Passes

# 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.

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 and 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. Self priming.

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

**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-SP16 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned. Self priming.

**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.

**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.

## 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

Stripe coat crevices, welds, and sharp angles to prevent early failure in these areas. For best results on rusty surfaces, always apply first coat by brush.

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. If necessary, cross spray at a right angle.

For optimal performance, this primer should be topcoated.

For exterior exposure, this primer should be topcoated within 14 days. If 14 days is exceeded remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Finish with appropriate topcoat.

## 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**

Pressure .....2000 psi  
Hose ..... 1/4" ID  
Tip ..... .015" - .019"  
Filter ..... 60 mesh  
Reduction .....Not recommended

### **Conventional Spray**

Gun ..... Binks 95  
Fluid Nozzle ..... 66  
Air Nozzle ..... 63PB  
Atomization Pressure .....60 psi  
Fluid Pressure .....25 psi  
Reduction as needed up to 5% by volume

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

**Roller** .....3/8" woven  
Reduction as 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.

HOTW 04/17/2017 B66W01310 01 39

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.



**SHERWIN  
WILLIAMS.**

**RESILIENCE<sup>®</sup>**  
**Exterior Latex Gloss**

- K44W00050 Super White
- K44W00051 Extra White
- K44W00053 Deep Base
- K44T00054 Ultradeep Base
- K44Y00056 Light Yellow
- K44R00058 Primary Red
- K44Y00057 Vivid Yellow

As of 11/29/2017, Complies with:			
OTC	Yes	LEED <sup>®</sup> 09 NC CI	N/A
OTC Phase II	Yes	LEED <sup>®</sup> 09 CS	N/A
SCAQMD	Yes	LEED <sup>®</sup> v4 Emissions	N/A
CARB	Yes	LEED <sup>®</sup> v4 VOC	Yes
CARB SCM2007	Yes		
Canada	Yes	MPI	Yes

<u>CHARACTERISTICS</u>	<u>SPECIFICATIONS</u>	<u>SURFACE PREPARATION</u>																					
<p><b>Resilience Exterior</b> 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><b>VinylSafe™</b> paint colors allow you the freedom to choose from 100 color options, including a limited selection of darker colors formulated to resist warping or buckling when applied to a sound, stable vinyl substrate.</p> <p><b>Color:</b> Most colors To optimize hide and color development, always use the recommended P-Shadow primer</p> <p><b>Coverage:</b> 350 - 400 sq ft/gal @ 4 mils wet; 1.6 mils dry</p> <p><b>Drying Time, @ 50% RH:</b> @ 35-45°F @ 45°F +</p> <p>Touch: 2 hour 2 hours Recoat: 24-48 hours 4 hours</p> <p>Drying and recoat times are temperature, humidity, and film thickness dependent</p> <p><b>Finish:</b> 35-45 units @ 60°</p> <p><b>Tinting with CCE:</b></p> <table border="1"> <thead> <tr> <th>Base</th> <th>oz/gal</th> <th>Strength</th> </tr> </thead> <tbody> <tr> <td>Extra White</td> <td>0-7</td> <td>Sher-Color</td> </tr> <tr> <td>Deep Base</td> <td>4-12</td> <td>Sher-Color</td> </tr> <tr> <td>Ultradeep</td> <td>10 -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><b>Extra White K44W00051</b> (may vary by base)</p> <p><b>VOC (less exempt solvents):</b> &lt;50 g/L; &lt;0.42 lb/gal As per 40 CFR 59.406 and SOR/2009-264, s.12</p> <p><b>Volume Solids:</b> 39 ± 2%</p> <p><b>Weight Solids:</b> 50 ± 2%</p> <p><b>Weight per Gallon:</b> 10.10 lb</p> <p><b>Flash Point:</b> N/A</p> <p><b>Vehicle Type:</b> 100% Acrylic</p> <p><b>WVP Perms (US)</b> 17.42 grains/(hr ft<sup>2</sup> in Hg)</p> <p><b>Mildew Resistant</b> This coating contains agents which inhibit the growth of mildew on the surface of this coating film.</p>	Base	oz/gal	Strength	Extra White	0-7	Sher-Color	Deep Base	4-12	Sher-Color	Ultradeep	10 -12	Sher-Color	Light Yellow	0-12	Sher-Color	Primary Red	0-12	Sher-Color	Vivid Yellow	0-12	Sher-Color	<p><b>Aluminum &amp; Aluminum Siding<sup>1</sup></b> 2 cts. Resilience Exterior Latex</p> <p><b>Concrete Block, CMU, Split face Block</b> 1 ct. Loxon Block Surfacers 2 cts. Resilience Exterior Latex</p> <p><b>Brick</b> 1 ct. Loxon Conditioner<sup>2</sup> 2 cts. Resilience Exterior Latex</p> <p><b>Cement Composition Siding/Panels</b> 1 ct. Loxon Concrete &amp; Masonry Primer/Sealer<sup>2</sup> or Loxon Conditioner<sup>2</sup> 2 cts. Resilience Exterior Latex</p> <p><b>Galvanized Steel<sup>1</sup></b> 2 cts. Resilience Exterior Latex</p> <p><b>Stucco, Cement, Concrete</b> 1 ct. Loxon Concrete &amp; Masonry Primer/Sealer<sup>2</sup> 2 cts. Resilience Exterior Latex</p> <p><b>Plywood</b> 1 ct. Exterior Latex Wood Primer 2 cts. Resilience Exterior Latex</p> <p><b>Steel<sup>1</sup></b> 1 ct. All Surface Enamel Primer<sup>2</sup> 2 cts. Resilience Exterior Latex</p> <p><b>Vinyl Siding*</b> 2 cts. Resilience Exterior Latex</p> <p><b>Wood, Composition Board</b> 1 ct. Exterior Oil-Based Wood Primer 2 cts. Resilience Exterior Latex</p> <p><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.</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><b>WARNING!</b> 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 <b>1-800-424-LEAD</b> (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><b>Aluminum and Galvanized Steel</b> 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><b>Cement Composition Siding/Panels</b> Remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, and peeling or defective coatings. Allow the surface to dry thoroughly. If the surface is new, test it for pH, if the pH is higher than 9, prime with Loxon Concrete &amp; Masonry Primer/Sealer.</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>
Base	oz/gal	Strength																					
Extra White	0-7	Sher-Color																					
Deep Base	4-12	Sher-Color																					
Ultradeep	10 -12	Sher-Color																					
Light Yellow	0-12	Sher-Color																					
Primary Red	0-12	Sher-Color																					
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# RESILIENCE<sup>®</sup>

## Exterior Latex Gloss

- K44W00050 Super White
- K44W00051 Extra White
- K44W00053 Deep Base
- K44T00054 Ultradeep Base
- K44Y00056 Light Yellow
- K44R00058 Primary Red
- K44Y00057 Vivid Yellow

<p><b><u>SURFACE PREPARATION</u></b></p> <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 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 &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, wire brush, 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. Repair cracks, voids, and other holes with an elastomeric patch or sealant.</p> <p><b>*Vinyl or other PVC Building Products</b> Clean the surface thoroughly by scrubbing with warm, soapy water. Rinse thoroughly, prime with appropriate white primer. Do not paint vinyl with any color darker than the original color or having a Light Reflective Value (LRV) of less than 56 unless VinylSafe<sup>®</sup> Colors are used. If VinylSafe colors are not used the vinyl may warp. Follow all painting guidelines of the vinyl manufacturer when painting. Only paint properly installed vinyl siding. Deviating from the manufacturer's painting guidelines may cause the warranty to be voided.</p> <p><b>Wood, Plywood, Composition Board</b> Clean the surface thoroughly then sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth. All new and patched areas must be primed. Knots and some woods, such as redwood and cedar, contain a high amount of tannin, a colored wood extract. If applied to these bare woods, it may show some staining. If staining persists, spot prime severe areas with 1 coat of Exterior Oil-Based Wood Primer prior to using.</p>	<p><b><u>SURFACE PREPARATION</u></b></p> <p><b>Mildew</b> 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><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 air, <b>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 nylon/polyester brush. <b>Roller</b> - Use a 3/8" - 3/4" nap synthetic cover. <b>Spray—Airless</b> Pressure..... 2000 psi Tip ..... .015"-.017"</p>	<p><b><u>CAUTIONS</u></b></p> <p>For exterior use only. Protect from freezing. Non-photochemically reactive. Not for use on floors</p> <p>Before using, carefully read <b>CAUTIONS</b> on label.</p> <p>HOTW 11/29/2017 K44W00051 26 30 Viet, FRC, SP, KOR</p> <p><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 a compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.</p> <p>The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative or visit <a href="http://www.paintdocs.com">www.paintdocs.com</a> to obtain the most current version of the PDS and/or an SDS.</p>
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# PRO

## INDUSTRIAL™



# PRO-CRYL®

## UNIVERSAL PRIMER

B66W01310 Off White  
B66A01320 Medium Grey  
B66N01310 Red Oxide

As of 04/17/2017, Complies with:

OTC	Yes	LEED® 09 NC, CI	Yes
OTC Phase II	Yes	LEED® 09 CS	Yes
SCAQMD	Yes	LEED® 09 H&S	Yes
CARB	Yes	LEED® v4 Emissions	Yes
CARB SCM 2007	Yes	LEED® v4 VOC	Yes
Canada	Yes	MPI	Yes

### CHARACTERISTICS

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

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

**For use on properly prepared:**

- Steel, Galvanized & Aluminum
- Wood

**Color:** Off White,

**Recommended Spread Rate per coat:**

Wet mils: 5.0 - 10.0

Dry mils: 1.9 - 3.8

~Coverage: 160 - 320 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 @ 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

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**

**Off White B66W01310** (may vary by color)

**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:** 38% ± 2%

**Weight Solids:** 49% ± 2%

**Weight per Gallon:** 10.09 lb

### RECOMMENDED SYSTEMS

**Water Based Topcoat:**

- 1-2 cts. Pro Industrial Acrylic Coating
- or Pro Industrial Acrylic Dryfall
- or Pro Industrial DTM Acrylic
- or Pro Industrial Multi-Surface Acrylic
- or Pro Industrial Pre-Catalyzed Epoxy
- or Pro Industrial Water Based Acrolon 100
- or Pro Industrial Water Base Alkyd Urethane
- or Pro Industrial Water Based Catalyzed Epoxy
- or Sherwin-Williams Architectural Coatings

**Solvent Based Topcoat:**

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

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

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

Substrate: Steel

Surface Preparation: SSPC-SP10

1 ct. Pro Industrial Pro-Cryl Universal Off White Primer

1 ct. Pro Industrial Acrylic Coating

**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: B

**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 to federal specification: AA50557 and Paint Specification: SSPC-Paint 23.

**Flexibility:**

Method: ASTM D522, 180° bend,

1/4" mandrel

Result: Passes

# PRO INDUSTRIAL™ PRO-CRYL® UNIVERSAL PRIMER



SHERWIN-WILLIAMS

## SURFACE PREPARATION

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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 and 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. Self priming.

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

**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-SP16 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned. Self priming.

**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.

**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.

## 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

Stripe coat crevices, welds, and sharp angles to prevent early failure in these areas. For best results on rusty surfaces, always apply first coat by brush.

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. If necessary, cross spray at a right angle.

For optimal performance, this primer should be topcoated.

For exterior exposure, this primer should be topcoated within 14 days. If 14 days is exceeded remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Finish with appropriate topcoat.

## 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**

Pressure .....2000 psi  
Hose ..... 1/4" ID  
Tip ..... .015" - .019"  
Filter ..... 60 mesh  
Reduction .....Not recommended

### **Conventional Spray**

Gun ..... Binks 95  
Fluid Nozzle ..... 66  
Air Nozzle ..... 63PB  
Atomization Pressure .....60 psi  
Fluid Pressure .....25 psi  
Reduction as needed up to 5% by volume

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

**Roller** .....3/8" woven  
Reduction as 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.

HOTW 04/17/2017 B66W01310 01 39

KOR, FRC,SP

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# SHER-CRYL™ HPA

## HIGH PERFORMANCE ACRYLIC

**B66W00300 Gloss Ultra White**  
**B66W00311 Gloss Extra White**  
**B66T00304 Gloss Ultradeep Base**  
**B66B00300 Gloss Safety Black**  
**B66R00300 Gloss Safety Red**  
**B66Y00300 Gloss Safety Yellow**

**B66W00350 Semi-Gloss Ultra White**  
**B66W00351 Semi-Gloss Extra White**  
**B66T00354 Semi-Gloss Ultradeep Base**

As of 12/04/2017, Complies with:			
OTC	Yes	LEED® 09 NC, CI	No
OTC Phase II	Yes	LEED® 09 CS	No
SCAQMD	No	LEED® 09 S	No
CARB	Yes	LEED® v4 Emissions	No
CARB SCM 2007	Yes	LEED® v4 VOC	No
Canada	Yes	MPI	(Gloss) Yes

### CHARACTERISTICS

SHER-CRYL HPA is a High Performance ambient cured, one component acrylic coating with excellent performance properties.

#### Features:

- Chemical resistant
- Outstanding humidity resistance
- Flash rust/early rust resistant
- Corrosion resistant
- Fast dry
- Outstanding application characteristics

#### For use on properly prepared:

- Steel, Galvanized & Aluminum
- Concrete/Masonry
- Wood
- Previously Painted & Zinc rich primers

#### Recommended for use in:

- Buildings & Warehouses
- Equipment & Machinery
- Storage Tanks & Piping & Structural Steel
- Manufacturing Facilities & New Construction
- Suitable for use in USDA inspected facilities
- Interior or Exterior

#### Tinting with CCE:

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

**Shelf Life:** 36 months, unopened  
**Finish:** 80°+@60° Gloss  
 35-45°@60° Semi-Gloss

#### Gloss Extra White B66W00311

(may vary by base)

**VOC (less exempt solvent)** 195 g/L - 1.63 lb/gal  
 (as per 40 CFR 59.406 and SOR/2009-264, s. 12)

**KU** 90-100

**Volume Solids:** 37 ± 2%

**Weight Solids:** 46 ± 2%

**Weight per Gallon:** 9.59 lb/gal

**Flash Point:** N/A

#### Semi-Gloss Extra White B66W00351

(may vary by base)

**VOC (less exempt solvent)** 193 g/L - 1.61 lb/gal  
 (as per 40 CFR 59.406 and SOR/2009-264, s. 12)

**KU** 75-85

**Volume Solids:** 39 ± 2%

**Weight Solids:** 50 ± 2%

**Weight per Gallon:** 9.91 lb/gal

**Flash Point:** N/A

### SPECIFICATIONS

**Color:** Extra White & Clear Tint Base-wide range of colors available  
**Recommended Spread Rate per coat: Gloss Extra White B66W00311** (may vary by base)

wet mils: 6.0 - 10.0  
 dry mils: 2.2 - 3.7  
 coverage: 270 - 160 sq ft/gal approximate

**Theoretical coverage:** 593 sq ft/gal @ 1 mil dry

**Drying Schedule @ 7.0 mils wet, 50% RH:**

	@ 50°F/10°C	@ 77°F/25°C	@ 120°F/49°C
To touch:	1 hour	30 minutes	5 minutes
To handle:	8 hours	5 hours	15 minutes
To recoat:	8 hours	5 hours	15 minutes
To cure:	30 days	30 days	30 days

### RECOMMENDED SYSTEMS

#### Steel & Rusted Galvanized, acrylic primer:

1ct. Pro Industrial Pro-Cryl Primer

2cts. Sher-Cryl HPA

#### Steel alkyd or zinc primer:

1ct. Kem Bond HS

Or

1ct. Zinc Clad XI

2cts. Sher-Cryl HPA

#### Steel:

2cts. Sher-Cryl HPA

#### Aluminum & Galvanized Metal:

2cts. Sher-Cryl HPA

#### Concrete Block:

1ct. Pro Industrial Heavy Duty Block Filler

2cts. Sher-Cryl HPA

#### Poured Concrete Walls, Interior:

1ct. Loxon Concrete and Masonry Primer

2cts. Sher-Cryl HPA

#### Prefinished Siding (baked-on finishes):

1ct. DTM Bonding Primer

2cts. Sher-Cryl HPA

#### Previously Painted:

2cts. Sher-Cryl HPA

#### Wood, Exterior:

1ct. Exterior Oil-Based Wood Primer

2cts. Sher-Cryl HPA

#### Wood, Interior:

1ct. Premium Wall & Wood Primer

2cts. Sher-Cryl HPA

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

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

Substrate: Steel

Surface Preparation: SSPC-SP10

Finish: Sher-Cryl HPA Gloss- 2cts @ 3.0 mils dft/ct (unless otherwise noted)

#### Abrasion Resistance:

Method: ASTM D4060, CS17 Wheel, 1000 cycles, 1 kg load

Results: 59.1 mg loss

#### Adhesion:

Method: ASTM D4541

Results: 947 psi

#### Corrosion Weathering<sup>1</sup>:

Method: ASTM D5894, 7 cycles,

Result: Corrosion 8, Blistering 10

#### Direct Impact Resistance:

Method: ASTM D2794

Result: >176 in. lb

#### Dry Heat Resistance:

Method: ASTM D2485 Method A

Result: 300°F/149°C

#### Flexibility:

Method: ASTM D522, 180° bend,

1/8" mandrel

Result: Passes

#### Humidity Resistance<sup>1</sup>:

Method: ASTM D4585, 2186 hours

Result: Corrosion 10, Blistering 10

#### Pencil Hardness:

Method: ASTM D3363

Result: 4B

#### Thermal Cycling:

Method: ASTM D2246, 10 cycles

Result: Pass

<sup>1</sup> 1 ct. Sher-Cryl HPA over 1 ct. Pro Industrial Pro-Cryl Universal Prime

Provides performance comparable to products in lieu of the Federal Specification: AA50570, and Paint Specification: SSPC-Paint 24.

**SHER-CRYL™ HPA**  
**HIGH PERFORMANCE ACRYLIC**



**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.

When cleaning the surface per SSPC-SP1, use only an emulsifying industrial detergent, followed by a water rinse. **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 Hand Tool Clean per SSPC-SP2. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Primer recommended for best performance. Prime any bare steel within 8 hours or before flash rusting occurs.

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

**Galvanized Steel**- Remove all oil, grease, dirt, oxide and other foreign material by Solvent Cleaning per SSPC-SP1. When 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-SP16 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned.

**Concrete Block** - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 50°F (10°C) before filling. Use Pro Industrial 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(23.9°C). 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. 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. Primer required.

**Prefinished Siding (baked-on finishes)**- 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. Always checks 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. DTM Bonding Primer is required.

**Previously Painted Surfaces** - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

**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.

**APPLICATION PROCEDURES**

Apply paint at the recommended film thickness and spreading rate as indicated on front page. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance. Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness, or porosity of the surface, skill, and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, over thinning, climatic conditions, and excessive film build.

Application temperature above 95°F (35°C) may cause dry spray, uneven sheen, and poor adhesion. Application temperature below 50°F (10°C) may cause poor adhesion and lengthen the drying and curing time.

**SAFETY PRECAUTIONS**

Refer to the SDS sheets before use. **FOR PROFESSIONAL USE ONLY**

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

**PERFORMANCE TIPS**

Mix paint thoroughly to a uniform consistency with slow speed power agitation prior to use.

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

When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle.

During the early stages of drying, the coating is sensitive to rain, dew, high humidity and moisture condensation. Plan painting schedules to avoid these influences during the first 16-24 hours of curing.

**APPLICATION**

**Refer to the SDS sheet before use**

**Temperature:** 50°F/10°C minimum  
 120°F/49°C maximum  
 (Air, surface, and material)  
 At least 5°F above dew point

**Relative humidity:** 85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions. Excessive reduction of material can affect film build, appearance, and adhesion.

**Reducer** ..... Water

R8K10 - WB Hot Weather Reducer up to 10%

**Clean Up** ..... Soap & Water

**Airless Spray**

Pressure ..... 1500 psi

Hose ..... 1/4" ID

Tip ..... .017" - .021"

Filter ..... 60 mesh

Reduction ..... Not recommended

**Conventional Spray**

Gun ..... Binks 95

Fluid Nozzle ..... 66

Air Nozzle ..... 63PB

Atomization Pressure ..... 50 psi

Fluid Pressure ..... 15-20 psi

Reduction .As needed up to 12.5% by volume

**Brush**

Brush ..... Nylon / polyester

Reduction ..... Not recommended

**Roller**

Cover ..... 3/8" woven solvent resistant core

Reduction ..... Not recommended

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.

HOTW	12/04/2017	B66W00311	21 195
HOTW	12/04/2017	B66W00351	20 193
FRC,SP, KOR			

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.



# 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 01/02/2019, Complies with:

OTC	Yes	LEED® 09 NC,CI	Yes
OTC Phase II	Yes	LEED® 09 CS	Yes
SCAQMD	Yes	LEED® V4 Emissions	No
CARB	Yes	LEED® V4 VOC	Yes
CARB SCM2007	Yes		
Canada	Yes	MPI	

### CHARACTERISTICS

**Pro Industrial Waterbased 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 Canadian Food Processing facilities (B65W721, B65T724, B65R720, B65Y720 & B65V720): Non-Food contact areas.
- Suitable for use in USDA inspected facilities

**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

Store indoors at 40°F to 100°F.

**Tinting part A with CCE:**

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:

<98 g/L - <0.82 lb/gal As per 40 CFR 59.406

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

**Volume Solids:** 45 ± 2%

**Weight Solids:** 52 ± 2%

**Weight per Gallon:** 9.54 lb

**Flash Point:** 105°F TCC catalyzed

**Shelf Life:** 24 months, unopened

### RECOMMENDED SYSTEMS

#### Steel:

1 ct. Pro Industrial Pro-Cryl Primer

1-2cts. Pro Industrial Waterbased Acrolon 100

#### Steel:

1 ct. Zinc-Clad IV Primer

1-2cts. Pro Industrial Waterbased Acrolon 100

#### Steel:

1 ct. Zinc-Clad IV Primer

1 ct. Macropoxy 646-100

1-2cts. Pro Industrial Waterbased Acrolon 100

#### Aluminum:

1 ct. DTM Wash Primer

1-2cts. Pro Industrial Waterbased Acrolon 100

#### Concrete Block (CMU):

1 ct. Pro Industrial Heavy Duty Blockfiller

1-2cts. Pro Industrial Waterbased Acrolon 100

#### Concrete: (high performance)

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

1-2cts. Pro Industrial Waterbased Acrolon 100

#### Concrete/Masonry:

1 ct. Loxon Concrete & Masonry Primer

1-2cts. Pro Industrial Waterbased Acrolon 100

#### Drywall:

1 ct. ProMar 200 Zero VOC Primer

1-2cts. Pro Industrial Waterbased Acrolon 100

#### Galvanizing:

1 ct. DTM Wash Primer

1-2cts. Pro Industrial Waterbased Acrolon 100

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

1 ct. Bond-Plex WB Acrylic

1-2cts. Pro Industrial Waterbased 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

#### Flexibility:

Method: ASTM D522, 180° bend,

1/8" mandrel

Result: Pass

#### Accelerated Weathering - QUV:

Method: ASTM D4587, QUV-A, 2000

hours

Result: Passes

#### Pencil Hardness:

Method: ASTM D3363

Result: 3H

#### 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

#### 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

#### Direct Impact Resistance:

Method: ASTM D2794

Result: >160 in. lb

#### Scrub Resistance:

Method: ASTM D2486, 5000+ cycles, with

no visible wear

#### Dry Heat Resistance:

Method: ASTM D2485

Result: 200°F (93°C)

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

### 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-SP16 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned. Primer required.

**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 (12.8°C) 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 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

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

Refer to the Safety Data Sheets (SDSs) before use.

**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 ..... .013" - .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

**Roller** ..... 3/8" woven

**Reduction** ... As needed up to 15% by volume  
With 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, 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.

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.



# 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 01/02/2019, Complies with:

OTC	Yes	LEED® 09 NC,CI	Yes
OTC Phase II	Yes	LEED® 09 CS	Yes
SCAQMD	Yes	LEED® V4 Emissions	No
CARB	Yes	LEED® V4 VOC	Yes
CARB SCM2007	Yes		
Canada	Yes	MPI	

### CHARACTERISTICS

**Pro Industrial Waterbased 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 Canadian Food Processing facilities (B65W721, B65T724, B65R720, B65Y720 & B65V720): Non-Food contact areas.
- Suitable for use in USDA inspected facilities

**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  
Store indoors at 40°F to 100°F.

**Tinting part A with CCE:**

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:  
<98 g/L - <0.82 lb/gal As per 40 CFR 59.406

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

**Volume Solids:** 45 ± 2%

**Weight Solids:** 52 ± 2%

**Weight per Gallon:** 9.54 lb

**Flash Point:** 105°F TCC catalyzed

**Shelf Life:** 24 months, unopened

### RECOMMENDED SYSTEMS

#### Steel:

1 ct. Pro Industrial Pro-Cryl Primer  
1-2cts. Pro Industrial Waterbased Acrolon 100

#### Steel:

1 ct. Zinc-Clad IV Primer  
1-2cts. Pro Industrial Waterbased Acrolon 100

#### Steel:

1 ct. Zinc-Clad IV Primer  
1 ct. Macropoxy 646-100

1-2cts. Pro Industrial Waterbased Acrolon 100

#### Aluminum:

1 ct. DTM Wash Primer  
1-2cts. Pro Industrial Waterbased Acrolon 100

#### Concrete Block (CMU):

1 ct. Pro Industrial Heavy Duty Blockfiller  
1-2cts. Pro Industrial Waterbased Acrolon 100

#### Concrete: (high performance)

1 ct. Kem Cati-Coat HS Epoxy Filler/Sealer  
1-2cts. Pro Industrial Waterbased Acrolon 100

#### Concrete/Masonry:

1 ct. Loxon Concrete & Masonry Primer  
1-2cts. Pro Industrial Waterbased Acrolon 100

#### Drywall:

1 ct. ProMar 200 Zero VOC Primer  
1-2cts. Pro Industrial Waterbased Acrolon 100

#### Galvanizing:

1 ct. DTM Wash Primer  
1-2cts. Pro Industrial Waterbased Acrolon 100

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

1 ct. Bond-Plex WB Acrylic  
1-2cts. Pro Industrial Waterbased 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

#### Accelerated Weathering - QUV:

Method: ASTM D4587, QUV-A, 2000 hours  
Result: Passes

#### 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

#### Dry Heat Resistance:

Method: ASTM D2485  
Result: 200°F (93°C)

#### 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

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

### 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-SP16 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned. Primer required.

**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 (12.8°C) 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 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

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

Refer to the Safety Data Sheets (SDSs) before use.

**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 ..... .013" - .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

**Roller** ..... 3/8" woven

**Reduction** ... As needed up to 15% by volume  
With 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, 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.

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.



**SHERWIN  
WILLIAMS®**

107.10

**PREPRITE®**  
Interior/Exterior Latex  
Block Filler  
B25W25

As of 10/30/2017, Complies with:			
OTC	Yes	LEED® 09 NC,CI	Yes
OTC Phase II	Yes	LEED® 09 CS	Yes
SCAQMD	Yes	LEED® 09 H	Yes
CARB	Yes	LEED® v4 Emissions	Yes
CARB SCM2007	Yes	LEED® v4 VOC	Yes
Canada	Yes	MPI	Yes

**CHARACTERISTICS**

- Allows topcoat on concrete block to be smooth and uniform
- Effective on above-grade, unpainted masonry surfaces

**Use on unpainted:**

- Masonry
- Concrete
- Cement
- Flat Surfaced Concrete Block

**Color:** Off White  
**Coverage:** 75-125 sq ft/gal  
@ 16 mils wet; 7.7 mils dry

**Drying Time, @ 77°F, 50% RH:**  
temperature and humidity dependent  
Touch: 2 hours  
Recoat with latex based: 18 hours  
Recoat with solvent based: 48 hours

**Flash Point:** N/A  
**Finish:** 0-5 units @ 85°  
**Vehicle Type:** Vinyl Acrylic

**White B25W00025**  
**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:** 68 ± 2%  
**Weight per Gallon:** 13.47 lb  
**WVP Perms (US)** 53.65  
grains/(hr ft<sup>2</sup> in Hg)

**SPECIFICATION**

**Masonry, Concrete, Cement, Block**  
1 ct. PrepRite Block Filler  
2 cts. Appropriate topcoat

**Recommended Architectural Topcoats**

A-100 Exterior Latex  
Loxon Acrylic Coating  
SuperPaint Exterior  
Duration Exterior

Duration Home  
ProClassic Interior  
ProMar Interior  
SuperPaint Interior

**Recommended Industrial Topcoats**

Pro Industrial DTM Acrylic  
Industrial Enamel  
Metalatex Semi-Gloss  
Water Based Catalyzed Epoxy

Other topcoats may be appropriate.

Industrial topcoats have been tested for interior use only. PrepRite Block Filler has not been tested in environments subject to chemical attack. Any recommendations for use in such areas must follow a thorough evaluation of the effects of the environment on the PrepRite Block Filler and topcoat system.

**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.

**Masonry, Concrete, Cement, Block**  
Remove all surface contamination, form release agents, moisture curing membranes, etc. by washing with an appropriate cleaner, rinse and allow to dry. Pressure wash the surface if needed. Remove existing peeled or checked paint to a sound surface. Concrete and mortar must be cured, generally 30 days, at 75°F before painting.

Complete removal of sealers, release compounds, and to provide a profile, tilt-up and poured-in-place concrete could require sandblasting or cleaning with commercial detergents. Do not apply to smooth, slick surfaces. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Masonry surfaces must be dry before priming. Moisture content must be 15% or lower, and the pH between 6 and 9. If the pH is greater than 9, use Loxon Block Surfacer in place of PrepRite Block Filler.

For repairing exterior cracks, bugholes, air pockets, and other voids use an elastomeric patch or seal.



**PREPRITE<sup>®</sup>**  
Interior/Exterior Latex  
Block Filler  
B25W25

<u><b>SURFACE PREPARATION</b></u>	<u><b>APPLICATION</b></u>	<u><b>CAUTIONS</b></u>
<p><b>Mildew</b> 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>Apply at temperatures above 50°F. No reduction necessary.</p> <p><b>Brush</b> - Use a nylon/polyester brush. <b>Roller</b> - Use a 3/8" to 1-1/2" nap cover. <b>Spray - Airless</b> Pressure.....2300 psi Tip .....028" Reduction..... as needed up to 1 pt/gal Remove all in-line and gun filters</p> <p>Apply paint at the recommended film thickness and spreading rate as indicated on front page. Application of coating below minimum recommended spreading rate may adversely affect the coating systems performance.</p> <p>ProMar Block Filler is ready-to-spray (airless) and does not require thinning. Mix material thoroughly to a uniform consistency with power agitation and apply by brush, roller, or spray. If applied by airless spray, follow by roller, being careful to force material into pores in order to reduce pinholes and produce a relatively smooth surface. Squeegee or trowel will provide the smoothest finish. Two coats properly applied may be required to provide the most pinhole-free, uniform surface.</p>	<p>For interior and exterior use. Must be topcoated for exterior use. Protect from freezing. Do not apply to damp or wet surfaces. Do not use below grade as a hydrostatic waterproofer or in immersion service.</p> <p>Before using, carefully read <b>CAUTIONS</b> on label.</p> <p>HOTW 10/30/2017 B25W00025 44 44 FRC, SP</p> <p style="text-align: center;"><u><b>CLEANUP INFORMATION</b></u></p> <p>Clean spills and splatters, 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>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 SDS.</p>