

# Pro Industrial™ Pro-Cryl® Universal Primer

B66-1300 Series


**SHERWIN  
WILLIAMS®**

## 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.

### Features:

- 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 &amp; Aluminum, wood

**Finish:** Low Sheen

**Color:** Off White, Medium Grey, and Red Oxide

### Recommended Spreading Rate per coat:

Wet mils: 5.0-10.0

Dry mils: 1.9-3.8

Coverage: 160-320 sq.ft. per gallon

**Theoretical Coverage:** 609 sq. ft. per gallon @ 1 mil dry

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 Schedule @ 6.0 mils wet, @ 50% RH:

Drying, and recoat times are temperature, humidity, and film thickness dependent.

	@40°F	@77°F	@120°F
To touch	2 hours	40 minutes	20 minutes
Tack free	8 hours	2 hours	1 hour
To recoat	16 hours	4 hours	2 hours

**Tinting:** DO NOT TINT

### Off White B66W01310

(may vary by base)

### V.O.C. (less exempt solvents):

less than 50 grams per litre; 0.42 lbs. per gallon  
As per 40 CFR 59.406

**Volume Solids:** 38 ± 2%

**Weight Solids:** 49 ± 2%

**Weight per Gallon:** 10.09 lb

**Flash Point:** N/A

**Shelf Life:** 36 months, unopened

## COMPLIANCE

As of 04/09/2020, Complies with:

OTC	Yes
OTC Phase II	Yes
SCAQMD	Yes
CARB	Yes
CARB SCM 2007	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	Yes
MIR-Manufacturer Inventory	Yes
NSF® Certification	Yes
MPI®	Yes

## APPLICATION

<b>Temperature:</b>	
minimum	40°F
maximum	120°F
	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

<b>Airless Spray:</b>	
Pressure	2000 p.s.i.
Hose	1/4 inch I.D.
Tip	.015 - .019 inch
Filter	60 mesh

<b>Conventional Spray:</b>	
Gun	Binks 95
Fluid Nozzle	66
Air Nozzle	63 PB
Atomization Pressure	60 p.s.i.
Fluid Pressure	25 p.s.i.

**Reduction:** as needed up to 5 % by volume

**Brush:** Nylon-polyester

**Roller Cover:** 3/8 inch woven

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

Apply paint at the recommended film thickness and spreading rate as indicated. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

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. 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.

No painting should be done immediately after a rain or during foggy weather.

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.

## SPECIFICATIONS

### Acceptable Water Based topcoats:

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

### Acceptable Solvent Based topcoats:

1-2 coats Pro Industrial High Performance Epoxy or Pro Industrial Urethane Alkyd

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

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## SURFACE PREPARATION

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

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

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

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

## SURFACE PREPARATION

**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.

## PERFORMANCE

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

**Substrate:** Steel

**Surface Preparation:** SSPC-SP10

**Finish:** 1 coat Pro Industrial Pro-Cryl Off White  
1 coat Pro Industrial Acrylic Coating

**Adhesion:**

Method: ASTM D4541

Result: 500 p.s.i.

**Corrosion Weathering:**

Method: ASTM D5894, 10 cycles,  
3360 hours

Result: Passes

**Direct Impact Resistance:**

Method: ASTM D2794

Result: greater than 140 inch lb.

**Dry Heat Resistance:**

Method: ASTM D2485

Result: 200°F

**Flexibility:**

Method: ASTM D522, 180° bend,  
1/4 inch mandrel

Result: Passes

**Moisture Condensation Resistance:**

Method: ASTM D4585, 100°F,  
1250 hours

Result: Passes

**Pencil Hardness:**

Method: ASTM D3363

Result: B

**Salt Fog Resistance:**

Method: ASTM B117, 1250 hours

Result: Passes

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

## SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label. Refer to the Safety Data Sheets (SDS) 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.

## CLEANUP INFORMATION

Clean spills, splatters, 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	04/20/2020	B66W01310	03 40
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