



# PRO

## INDUSTRIAL™

# PRO-CRYL®

## UNIVERSAL PRIMER

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

B66W00310  
B66A00310  
B66N00310

OFF WHITE  
GRAY  
RED OXIDE

### CHARACTERISTICS

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

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

**Color:** Off White, Gray, Red Oxide

**Recommended Spread Rate per coat:**

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

**Theoretical coverage sq ft/gal**

(m<sup>2</sup>/L) @ 1 mil / 25 microns dft 577sq ft  
NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

**Drying Time @ 6.0 mils wet 50% RH:**

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

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

**Finish:** Low sheen

**Flash Point:** N/A

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

**Tinting:** Do not tint

**B66W310** (may vary by color)

**VOC (less exempt solvents):**

96 g/L; 0.80 lb/gal

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

**Volume Solids:** 36% ± 2%

**Weight Solids:** 49% ± 2%

**Weight per Gallon:** 10.23 lb

### RECOMMENDED SYSTEMS

**Waterborne topcoat:**

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

**Solventborne topcoat:**

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

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

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

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

**Adhesion:**

Method: ASTM D4541  
Result: 500 psi

**Moisture Condensation Resistance:**

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

**Corrosion Weathering:**

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

**Pencil Hardness:**

Method: ASTM D3363  
Result: H

**Direct Impact Resistance:**

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

**Salt Fog Resistance:**

Method: ASTM B117, 1250 hours  
Result: Passes

**Dry Heat Resistance\*:**

Method: ASTM D2485  
Result: 200°F

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

**Flexibility:**

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

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

**SURFACE PREPARATION**

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

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

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

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

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

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

**APPLICATION PROCEDURES**

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

**SAFETY PRECAUTIONS**

Refer to the SDS sheets before use. **FOR PROFESSIONAL USE ONLY**  
 Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

**PERFORMANCE TIPS**

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

**APPLICATION**

Refer to the SDS before using  
**Temperature:** 40°F minimum  
 120°F maximum  
 (air, surface, and material)  
 At least 5°F above dew point  
**Relative humidity:** 85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

**Reducer:** Water

**Airless Spray**

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  
 ReductionAs needed up to 5% by volume

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

**Roller** .....3/8" woven  
 ReductionAs needed up to 5% by volume

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

**CLEANUP INFORMATION**

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

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KOR, FRC, SP