Pro Industrial™ Pro-Cryl®
Universal Primer
B66-1300 Series

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 & 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 mls: 1.9-3.8
- Coverage: 160-320 sq. ft. per gallon

Theoretical Coverage: 609 sq. ft. per gallon

Approximate spreading rates are calculated on volume solids and do not include any application loss.

Drying Schedule @ 6.0 mils wet, @ 50% RH:
- Drying, and recoat times are temperature, humidity, and film thickness dependent.

APPLICATION

Temperature: minimum 40°F maximum 120°F
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 p.s.i.
- Hose: 1/4 inch I.D.
- Tip: .015 - .019 inch
- Filter: 60 mesh

Conventional Spray:
- 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.

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

- @40°F: 2 hours
- @77°F: 40 minutes
- @120°F: 20 minutes

Tinting: DO NOT TINT

V.O.C. (less exempt solvents):
- less than 50 grams per litre, 0.42 lbs. per gallon

As per 40 CFR 59.406

Specifications:
- 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

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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Universal Primer

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 sealed 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 life 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 life 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 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


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.

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