Pro Industrial™
Acrylic Gloss
B66-600 Series

CHARACTERISTICS

Pro Industrial Acrylic is an ambient cured, single component 100% acrylic coating. It is designed for interior and exterior industrial and commercial applications.

• Chemical Resistant
• Outstanding early moisture resistance
• Flash rust-early rust resistance
• Suitable for use in USDA inspected facilities

For use on properly prepared:
Steel, Galvanized & Aluminum, Drywall, Concrete and Masonry, Plaster and Wood.

Finish: 70+ @60°
Color: Most colors

Recommended Spreading Rate per coat:
Wet mils: 6.0-12.0
Dry mils: 2.1-4.2
Coverage: 133-267 sq.ft. per gallon

Theoretical Coverage: 561 sq. ft. per gallon @1 mil dry

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

Drying Schedule @ 7.0 mils wet, @ 50% RH:
Drying, and recoat times are temperature, humidity, and film thickness dependent.

To touch 1 hour 30 minutes 5 minutes
Tack free 8 hours 5 hours 15 minutes
To recoat 8 hours 5 hours 15 minutes

Tinting with CCE only:
Base oz. per gallon Strength
Extra White 0-4 SherColor
Deep Base 8-12 SherColor
Ultradeep Base 8-12 SherColor

Extra White B66W00611 (may vary by color)

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: 35 ± 2%
Weight Solids: 44 ± 2%
Weight per Gallon: 9.50 lb
Flash Point: N/A
Vehicle Type: Acrylic
Shelf Life: 36 months, unopened

APPLICATION

Temperature:
minimum 50°F / 10°C
maximum 120°F / 49°C
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 1500 p.s.i.
Hose 1/4 inch I.D.
Tip .017 -.021 inch
Filter 60 mesh

Conventional Spray:
Gun Binks 95
Fluid Nozzle 66
Air Nozzle 63 PB

Atomization Pressure 50 p.s.i.
Fluid Pressure 15-20 p.s.i.

NOTE: reduction as needed up to 12.5 percent by volume

Brush Nylon-polyester

Roller Cover 3/8 inch woven

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.

Overspray landing on hot surfaces may adhere to these surfaces. Immediately remove overspray from hot surfaces before adhesion occurs.

COMPLIANCE

As of 08/19/2020, Complies with:

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

SPECIFICATIONS

Steel*
2 coats Pro Industrial Acrylic

Steel:
1 coat Pro Industrial Pro-Cryl Primer
or Pro Industrial DTM Primer-Finish
or Kem Bonds HS
or Zinc Clad Primer
1-2 coats Pro Industrial Acrylic

Aluminum:
1-2 coats Pro Industrial Acrylic

Aluminum (Water Based Primer):
1 coat Pro Industrial Pro-Cryl Primer
1-2 coats Pro Industrial Acrylic

Concrete Block (CMU):
1 coat Pro Industrial Heavy Duty Block Filler
or Loxon Acrylic Block Surfacer
or ConFlex Block Filler
1-2 coats Pro Industrial Acrylic

Concrete/Masonry:
1 coat Loxon Concrete and Masonry Primer (if needed)
or Loxon Conditioner (if needed)
2 coats Pro Industrial Acrylic

Drywall:
1 coat ProMar 200 Zero V.O.C. Primer
1-2 coats Pro Industrial Acrylic

Galvanizing:
2 coats Pro Industrial Acrylic

Pre-Finished SIDING: (Baked-on finishes)
1 coat Bond-Plex Waterbased Acrylic
or DTM Bonding Primer
1-2 coats Pro Industrial Acrylic

Wood, exterior:
1 coat Exterior Wood Primer
1-2 coats Pro Industrial Acrylic

Wood, interior:
1 coat Premium Wall & Wood Primer
1-2 coats Pro Industrial Acrylic

*Application of coating on unprimed steel may cause pinpoint rusting. Safety Colors, Deep Base, and ultradeep colors require a prime coat for maximum durability, adhesion, and corrosion protection.

As per 40 CFR 59.406

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### SURFACE PREPARATION

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**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 peeling or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, etc. should also be removed 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 Clean per SSPC-SP2. Remove all oil and grease from surface per SSPC-SP1. For better performance use Commercial Blaster 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 per SSPC-SP1.

**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.

**Concrete Block** - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 55°F (13°C) before filling. Use Pro Industrial Heavy Duty Block Filler or Loxon Acrylic Block Surfacer. The filler must be thoroughly dry before topcoating.

**Masonry** - All masonry must be free of dirt, oil, grease, loose paint, mortar, masonry dust, etc. Clean per SSPC-SP13/Nace 6/ICRI No. 310.2R, CSP 1-3. Poured, troweled, or tilt-up concrete, plaster, mortar, etc. must be thoroughly cured at least 30 days at 75°F. Form release agents and curing membranes must be removed by brush blasting. Brick must be allowed to weather for one year prior to surface preparation and painting. Prime the area the same day as cleaned.

**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. Sand to remove any loose or deteriorated surface wood and to obtain a proper surface profile.

**Previously Painted Surface** - 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.

**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:** 2 coats Pro Industrial Acrylic B66W00611, 6.0 DFT  
**Adhesion:** Method: ASTM D4541 Result: 1227 p.s.i.  
**Corrosion Weathering**:  
  Method: ASTM D5894, 7 cycles  
  Result: Rating 10, per ASTM D714 for blistering. Rating 9.5 per ASTM D1654 for corrosion  
**Direct Impact Resistance**:  
  Method: ASTM D2794  
  Result: greater than 176 inch lb.  
**Dry Heat Resistance**:  
  Method: ASTM D2485  
  Result: 300°F  
**Flexibility**:  
  Method: ASTM D522, 1/8 inch mandrel  
  Result: Pass  
**Humidity Resistance**:  
  Method: ASTM D4585, 2186 hours  
  Result: Rating 10 per ASTM D714 for blistering. Rating 9.5 per ASTM D1654 for corrosion  
**Pencil Hardness**:  
  Method: ASTM D3363, 30 day cure  
  Result: 3B  
**WVP Perms (US):**  
  Method: *over Pro Industrial Pro-Cryl Primer.  
  Result: 23.41

* over Pro Industrial Pro-Cryl Primer.  

### 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.

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.