Pro Industrial™
Acrylic Semi-Gloss
B66-650 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

Features:
- 100% acrylic
- Interior-Exterior use
- Easy application
- Flows and levels to a smooth finish

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

Finish:
40-50° @60°

Color:
Most colors

Recommended Spreading Rate per coat:

- Wet mils: 6.0-12.0
- Dry mils: 2.2-4.4
- Coverage: 134-269 sq.ft. per gallon
- Theoretical Coverage: 593 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 @ 7.0 mils wet, @ 50% RH:
Drying, and recoat times are temperature, humidity, and film thickness dependent.

- @50°F
- @77°F
- @120°F

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 B66W00651 0-4 SherColor
Deep Base 8-12 SherColor
Ultra Deep Base 8-12 SherColor

Extra White B66W00651 (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: 37 ± 2%
Weight Solids: 45 ± 2%
Weight per Gallon: 9.54 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

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

Paint apply 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.

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 05/12/2021, Complies with:

OTC
OTC Phase II
S.C.A.Q.M.D.
CARB
CARB SCM 2007
CARB SCM 2020
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.
### 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 cleaned 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 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 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 Surface. 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 releases, primers 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. 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.

**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.

### SURFACE PREPARATION

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. Quick wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

### SAFETY PRECAUTIONS

Before using, carefully read **SAFETY PRECAUTIONS** 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, 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.

**HOTW 05/12/2021** B66W00651 24 00 FRC

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### PERFORMANCE

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

<table>
<thead>
<tr>
<th>Substrate</th>
<th>Steel Surface Preparation:</th>
<th>SSPC-SP10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Finish:</td>
<td>2 coats Pro Industrial Acrylic B66W00651, 6.0 DFT</td>
<td></td>
</tr>
<tr>
<td>Adhesion:</td>
<td>ASTM D4541</td>
<td></td>
</tr>
<tr>
<td>Result:</td>
<td>1324 p.s.i.</td>
<td></td>
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</tbody>
</table>

**Corrosion Weathering:**

<table>
<thead>
<tr>
<th>Method</th>
<th>ASTM D5894, 7 cycles</th>
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</thead>
<tbody>
<tr>
<td>Result</td>
<td>Rating 10, per ASTM D714 for Blistering. Rating 8.5 per ASTM D1654 for corrosion</td>
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</tbody>
</table>

**Direct Impact Resistance**

<table>
<thead>
<tr>
<th>Method</th>
<th>ASTM D2794</th>
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<tbody>
<tr>
<td>Result</td>
<td>greater than 176 inch lb.</td>
</tr>
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</table>

**Dry Heat Resistance**

<table>
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<tr>
<th>Method</th>
<th>ASTM D2485</th>
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<tbody>
<tr>
<td>Result</td>
<td>300°F</td>
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**Flexibility**

<table>
<thead>
<tr>
<th>Method</th>
<th>ASTM D522, 1/8 inch mandrel</th>
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<tbody>
<tr>
<td>Result</td>
<td>Pass</td>
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</table>

**Humidity Resistance**

<table>
<thead>
<tr>
<th>Method</th>
<th>ASTM D4585, 2186 hours</th>
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<tbody>
<tr>
<td>Result</td>
<td>Rating 10 per ASTM D714 for blistering. Rating 10 per ASTM D1654 for corrosion</td>
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</tbody>
</table>

**Pencil Hardness**

<table>
<thead>
<tr>
<th>Method</th>
<th>ASTM D3363, 30 day cure</th>
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<tbody>
<tr>
<td>Result</td>
<td>3B</td>
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**WVP Perms (US):**

<table>
<thead>
<tr>
<th>Method</th>
<th>grains/hr ft² in Hg</th>
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</thead>
<tbody>
<tr>
<td>Result</td>
<td>25.63</td>
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</tbody>
</table>

*over Pro Industrial Pro-Cryl Primer*  
No painting should be done immediately after a rain or during foggy weather. Do not paint on wet surfaces. Check adhesion by applying a test strip to determine the readiness for painting.