Pro Industrial™
Acrylic Eg-Shel
B66-1661 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:

- 15-25° @ 85°F
- 10-20° @ 60°F

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

APPLICATION

Temperature:

- minimum 50°F / 10°C
- maximum 120°F / 49°C

Relative humidity:

At least 5°F above dew point

Relative humidity: 85% maximum

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/polyster

Roller Cover:

3/8 inch woven

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

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.

To recoat:

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

Tinting with CCE only:

- Base: oz. per gallon
- Strength

Extra White 0-6 SherColor
Deep Base 8-12 SherColor
Ultradark Base 8-12 SherColor

COMPLIANCE

As of 03/06/2020, 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
NSF® Certification
MPI

SPECIFICATIONS

Steel:

- 2 coats Pro Industrial Acrylic
- 1 coat Pro Industrial Pro-Cryl Primer
- 1 coat Pro Industrial DTM Primer/Finish
- 1-2 coats Pro Industrial Acrylic

Steel*:

- 2 coats Pro Industrial Acrylic
- 1 coat Pro Industrial DTM Bonding Primer
- 1-2 coats Pro Industrial Acrylic

Concrete Block (CMU):

- 1 coat Pro Industrial Heavy Duty Blockfiller
- 1-2 coats Pro Industrial Acrylic

Concrete/Masonry:

- 1 coat Luxon Concrete & Masonry Primer (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
- 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

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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 approved degreaser, 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 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.

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. Fom release compounds 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. 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 B66W01661, 6.2 DFT

Adhesion: Method: ASTM D4541

Result: 1014 p.s.i.

Corrosion Weathering*: Method: ASTM D5894, 4 cycles

Result: Rating 10, per ASTM D714 for blistering. Rating 10 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, 1500 hours

Result: Rating 10 per ASTM D714 for blistering. Rating 10 per ASTM D1654 for corrosion

Pencil Hardness:

Method: ASTM D3363

Result: B

*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.

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, 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.

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