PRO INDUSTRIAL™

113.03

0 VOC ACRYLIC

B66-600 Series — Gloss
B66-650 Series — Semi-Gloss

CHARACTERISTICS

Pro Industrial 0 VOC Acrylic is an ambient cured, single component acrylic coating. It is designed for interior and exterior industrial and commercial applications

- Chemical resistant
- Superior color and gloss retention
- Outstanding early moisture resistance
- Flash rust/early rust resistant
- Suitable for use in USDA inspected facilities
- Low odor
- Fast dry
- HAPS free

Color: most colors

Recommended Spread Rate per ct:

Wet mils:	6.0 - 12.0
Dry mils:	2.5 - 4.0
Coverage:	140 - 225 sq ft/gal approximate

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:

	@ 50°F	@ 77°F	@ 120°F
To touch:	1 hr	30 min	5 min
Tack free:	8 hrs	5 hrs	15 min
To recoat:	8 hrs	5 hrs	15 min
To cure:	30 days	30 days	30 days

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

Finish: Gloss and Semi-Gloss

Flash Point: 499°F, Seta Flash

Tinting with BAC or EnviroToner:

Base	oz/gal	Strength
Extra White	0-4	100%
Deep Base	8-12	100%
Ultradeep Base	8-12	100%

B66W611 (may vary by color)

VOC (EPA Method #24):
Unreduced 0 g/L; trace

Volume Solids: 35 ± 2%

Weight Solids: 44 ± 2%

Weight per Gallon: 9.51 lb/gal ±2%

SPECIFICATIONS

Steel:
2 cts. Pro Industrial 0 VOC Acrylic

Steel*:
1 ct. Pro Industrial Pro-Cryl Universal Primer
or DTM Acrylic Primer/Finish
or Kem Bond HS
or Zinc Clad Primer
2 cts. Pro Industrial 0 VOC Acrylic

Aluminum:
2 cts. Pro Industrial 0 VOC Acrylic

Aluminum:
1 ct. DTM Wash Primer
2 cts. Pro Industrial 0 VOC Acrylic

Concrete Block:
1 ct. Heavy Duty Block Filler
2 cts. Pro Industrial 0 VOC Acrylic

Concrete/Masonry:
2 cts. Pro Industrial 0 VOC Acrylic

Drywall
1 ct. ProGreen 200 Int. Latex Primer
2 cts. Pro Industrial 0 VOC Acrylic

Galvanizing:
2 cts. Pro Industrial 0 VOC Acrylic

Prefinished Siding: (Baked-on finishes)
1 ct. DTM Bonding Prime
2 cts. Pro Industrial 0 VOC Acrylic

Wood, exterior:
1 ct. A-100 Exterior Wood Primer
2 cts. Pro Industrial 0 VOC Acrylic

Wood, interior:
1 ct. PrepRite Classic Latex Primer
2 cts. Pro Industrial 0 VOC Acrylic

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

System Tested: (unless otherwise indicated)
Substrate: Steel
Surface Preparation: SSPC-SP10
Finish: 2 cts. Pro Industrial 0 VOC Acrylic

Adhesion:
Method: ASTM D4541
Result: 1386 psi

Corrosion Weathering over Pro-Cryl Primer:
Method: ASTM D5894, 1500 hours, 5 cycles
Result: Rating 10, per ASTM D714 for blistering
Rating 9 per ASTM D1654 for corrosion

Direct Impact Resistance:
Method: ASTM D2794
Result: >160 in. lb

Dry Heat Resistance:
Method: ASTM D2485
Result: 250°F

Flexibility:
Method: ASTM D522, 180° bend, 1/8" mandrel
Result: Passes

Humidity Resistance with Pro-Cryl Primer:
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: 2B

Salt Fog Resistance with Pro-Cryl Primer:
Method: ASTM B117, 1500 hours
Result: Rating 10 per ASTM D714 for blistering
Rating 9 per ASTM D1654 for corrosion

Thermal Cycling:
Method: ASTM D2246, 5 cycles
Result: Passes

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PRO INDUSTRIAL™ 0 VOC ACRYLIC

B66-600 SERIES **GLOSS**
B66-650 SERIES **SEMI-GLOSS**

SURFACE PREPARATION

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Safety Colors, Deep Base, and Ultradeep colors require a prime coat for maximum durability, adhesion, and corrosion protection.
Do not use hydrocarbon solvents for cleaning.

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
The surface should be weathered for 6 months prior to painting. Remove all oil and grease per SSPC-SP1. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2. Prime area the same day as cleaned with Pro-Cryl.

Concrete and Masonry
For surface preparation, refer to SSPC-SP13/NACE 6 or ICRI 03732, CSP 1-3. Surfaces should be thoroughly cleaned and dry. Surface temperatures must be at least 55°F before filling. If required for a smoother finish, use Heavy Duty Block Filler, B42W46. Filler must be thoroughly dry before topcoating per manufacturer's recommendations.
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.

SURFACE PREPARATION

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.

Pre-Finished Siding:
Remove oil, grease, dirt, oxides, and other contaminants from the surface by cleaning per SSPC-SP1 or water blasting per NACE Standard RP-01-72. Always checks for compatibility of the previously painted surface with the new coating by applying a test patch of 2 - 3 square feet. Allow to dry thoroughly for 1 week before checking adhesion. DTM Bonding Primer is required.

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.

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 Mineral Spirits to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using Mineral Spirits.
NOTE: If coating is allowed to "set-up", Reducer #54, R7K54, may be required for cleaning. Follow manufacturer's safety recommendations when using Reducer #54.

APPLICATION

Refer to the MSDS sheet before use

Temperature: 50°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/Clean Up Water

Airless Spray
Pressure ..... 1500 psi
Hose ..... 1/4" ID
Tip ..... .017" - .021"
Filter ..... 60 mesh
Reduction ..... Not recommended

Conventional Spray
Gun ..... Binks 95
Fluid Nozzle 66
Air Nozzle 63PB
Atomization Pressure ..... 50 psi
Fluid Pressure ..... 15-20 psi
Reduction .. As needed up to 12½%by volume

Brush
Brush ..... Nylon / polyester
Reduction ..... Not recommended

Roller
Cover ..... 3/8" woven
Reduction ..... Not recommended
If specific application equipment is listed above, equivalent equipment may be substituted.