



PRO INDUSTRIAL™

113.03

ACRYLIC



B66-600 SERIES
B66-650 SERIES
B66-660 SERIES

GLOSS
SEMI-GLOSS
EG-SHEL

As of 04/15/2014, Complies with:			
OTC	Yes	LEED® 09 CI	Yes
SCAQMD	Yes	LEED® 09 NC	Yes
CARB	Yes	LEED® 09 CS	Yes
CARB SCM 2007	Yes	LEED® H	Yes
MPI	Yes	NGBS	Yes

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
- Excellent color and gloss retention
- Outstanding early moisture resistance
- Flash rust/early rust resistant
- Suitable for use in USDA inspected facilities
- Fast dry

Color: most colors

Recommended Spread Rate per coat:

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 Time @ 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 time is temperature, humidity, and film thickness dependent.

Finish: Gloss, Semi-Gloss, Eg-Shel

Flash Point: N/A

Shelf Life: 36 months, unopened
Store indoors at 40°F to 100°F.

Tinting with CCE only:

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

Extra White B66W00611
(may vary by color)

VOC Unreduced: <50 g/L; <0.42 lb/gal
as per 40 CFR 59.406 and SOR/2009-264, s. 12

Volume Solids: 35 ± 2%

Weight Solids: 44 ± 2%

Weight per Gallon: 9.5 lb/gal ±2%

RECOMMENDED SYSTEMS

Steel*:

2 cts. Pro Industrial Acrylic

Steel:

1 ct. Pro Industrial Pro-Cryl Primer
DTM Acrylic Primer/Finish
or
Kem Bond HS
or
Zinc Clad Primer
1-2 cts. Pro Industrial Acrylic

Aluminum:

1-2 cts. Pro Industrial Acrylic

Aluminum:

1 ct. Pro Industrial Pro-Cryl Primer
1-2 cts. Pro Industrial Acrylic

Concrete Block:

1 ct. Loxon Block Surfacer
1-2 cts. Pro Industrial Acrylic

Concrete/Masonry:

1 ct. Loxon Concrete & Masonry Primer

1-2 cts. Pro Industrial Acrylic
Drywall

1 ct. ProMar 200 Primer
1-2 cts. Pro Industrial Acrylic

Galvanizing:

2 cts. Pro Industrial Acrylic

Prefinished Siding: (Baked-on finishes)

1 ct. DTM Bonding Primer
1-2 cts. Pro Industrial Acrylic

Wood, exterior:

1 ct. Exterior Wood Primer
1-2 cts. Pro Industrial Acrylic

Wood, interior:

1 ct. Premium Wall & Wood Primer

*Application of coating on unprimed steel may cause pinpoint rusting. Safety Colors, Deep Base, and Ultra-deep 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 Acrylic

Adhesion:

Method: ASTM D4541
Result: 1386 psi

Corrosion Weathering 8:

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*:

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*:

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

*over Pro Industrial Pro-Cryl 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.

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-SP7 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 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 the recommended filler/surfacer. The filler/surfacer 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.

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.

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.

CAUTIONS

Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN. FOR PROFESSIONAL USE ONLY. SEE MATERIAL SAFETY DATA SHEET.**

HOTW 4/15/2014 B66W00611 10 0

APPLICATION

Refer to the MSDS 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 Water

Airless Spray

Pressure 1500 psi
Hose 1/4" ID
Tip017" - .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 Nylon / polyester
Reduction Not recommended

Roller 3/8" woven
Reduction Not recommended

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

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 may be required for cleaning. Follow manufacturer's safety recommendations when using Reducer #54.

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 to obtain the most recent Product Data Information and Application Bulletin. The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.