



PRO

INDUSTRIAL™

MULTI-SURFACE ACRYLIC

B66-500 SERIES

CHARACTERISTICS

Pro Industrial Multi-Surface Acrylic is a waterborne acrylic gloss for interior and exterior use on marginally prepared metal or masonry surfaces. Features gloss, fast dry, easy application and dry fall properties.

- Impact resistant-alkyd-like hardness
- Low odor
- Nonflammable
- Excellent color and gloss retention
- Low VOC
- Easy application-brush, roll, & spray
- All purpose finish for multiple surfaces
- High hiding/stain blocking
- Non-yellowing
- Fast dry—quick return to service
- Highly flexible—resists peeling and chipping
- Will dryfall under most conditions
- Acceptable for use in USDA-inspected facilities

Color: most colors

Recommended Spread Rate per coat:

Wet mils:	3.75 - 5.0
Dry mils:	1.5 - 2.0
Coverage:	325 - 434 sq ft/gal approximate

Note: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 5.0 mils wet 50% RH:

@ 50°F @ 77°F @ 110°F

To touch:	1 hr	30 min	15 min
Tack free:	2 hrs	1 hr	30 min
To recoat:	4 hrs	2 hrs	1 hr
Dryfall:	10 ft	10 ft	10 ft

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

Finish: Gloss

Flash Point: >200°F, PMCC

Tinting with BAC or EnviroToner:

Base	oz/gal	Strength
Extra White	0-9	150%
Ultradeep Base	6-18	150%

B66W501 (may vary by color)

VOC (EPA Method #24):

<200 g/L; <1.67 lb/gal

Volume Solids: 40 ± 2%

Weight Solids: 53 ± 2%

Weight per Gallon: 10.3 lb/gal ±2%

SPECIFICATIONS

Steel:

2 cts. Pro Industrial Multi-Surface Acrylic

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1 ct. Pro Industrial Pro-Cryl Universal Primer
2 cts. Pro Industrial Multi-Surface Acrylic

Aluminum:

2 cts. Pro Industrial Multi-Surface Acrylic

Galvanizing:

2 cts. Pro Industrial Multi-Surface Acrylic

Concrete Block:

1 ct. Heavy Duty Block Filler
2 cts. Pro Industrial Multi-Surface Acrylic

Concrete/Masonry:

2 cts. Pro Industrial Multi-Surface Acrylic

System Tested: (unless otherwise indicated)

Substrate: Steel
Surface Preparation: SSPC-SP10
Finish: 1 ct. Pro Industrial Multi-Surface Acrylic

Abrasion Resistance

Method: ASTM D4060, CS17 Wheel, 1000 cycles, 1 kg load
Result: 260 mg loss

Direct Impact Resistance:

Method: ASTM D2794
Result: 100 in. lb

Dry Heat Resistance:

Method: ASTM D2485
Result: 200°F

Flexibility:

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

Pencil Hardness:

Method: ASTM D3363
Result: B

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<u>SURFACE PREPARATION</u>	<u>SURFACE PREPARATION</u>	<u>APPLICATION</u>
<p>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. Do not use hydrocarbon solvents for cleaning.</p> <p>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.</p> <p>Aluminum Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1.</p> <p>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.</p> <p>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.</p>	<p>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.</p> <p><u>CLEANUP INFORMATION</u> 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.</p>	<p>Refer to the MSDS sheet before use</p> <p>Temperature: 55°F minimum 100°F maximum (Air, surface, and material) At least 5°F above dew point</p> <p>Relative humidity: 85% maximum</p> <p>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.</p> <p>Reducer/Clean Up Soap & Warm Water</p> <p>Airless Spray Pressure 2000 psi Hose 1/4" ID Tip013" - .017" Filter 60 mesh Reduction Not recommended</p> <p>Conventional Spray Gun Binks 95 Fluid Nozzle 63C Air Nozzle 63FB Atomization Pressure 60 PSI Fluid Pressure 50 PSI Reduction Not recommended</p> <p>Brush Brush Nylon / polyester Reduction Not recommended Due to this product's fast dry performance, brushing should be limited to small areas where a wet edge can be maintained</p> <p>Roller Cover 1/4" woven Reduction Not recommended If specific application equipment is listed above, equivalent equipment may be substituted.</p>

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 Sheet.