



PRO

INDUSTRIAL™



113.07

DTM ACRYLIC SEMI-GLOSS

B66W01151 Extra White
B66W01153 Deep Base
B66T01154 Ultradeep
B66R01158 Real Red
B66Y01157 Vivid Yellow
B66BW1211 Black

As of 03/05/2019, Complies with:

OTC	Yes	LEED® 09 NC, CI	Yes
OTC Phase II	Yes	LEED® 09 CS	Yes
SCAOMD	Yes	LEED® 09 H&S	Yes
CARB	Yes	LEED® v4 & v4.1 Emissions	Yes
CARB SCM 2007	Yes	LEED® v4 & v4.1 VOC	Yes
Canada	Yes	MPI	Yes

CHARACTERISTICS

Pro Industrial DTM Acrylic coating is an interior/exterior, water based, corrosion resistant acrylic coating for light to moderate industrial use. Designed for new construction or maintenance use and can be used directly over prepared substrates.

- Chemical resistant
- Corrosion resistant
- Fast dry
- Flash rust/early rust resistant
- Suitable for use in USDA inspected facilities

Color: most colors

Recommended Spread Rate per coat:

Wet mils:	6.0 - 10.0
Dry mils:	2.4 - 4.0
Coverage:	160 - 267 sq ft/gal approximate

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

Drying Time @ 6.0 mils wet 50% RH:

	@ 50°F	@ 77°F	@ 110°F
To touch:	1 hr	20 min	10 min
Tack free:	2 hrs	45 min	30 min
To recoat:	2 hrs	1 hr	1 hr

Drying time is temperature, humidity, and film thickness dependent.

Finish: 38-48@ 60° **Semi-Gloss**

Tinting with CCE:

	oz/gal	Strength
Base		
Extra White	0-6	Shercolor
Deep Base	6-12	Shercolor
Ultradeep	10-12	Shercolor
Real Red	0-12	Shercolor
Vivid Yellow	0-14	Shercolor

Extra White B66W01151

(may vary by color)

VOC (less exempt solvents): Unreduced:

<50 g/L; 0.42 lb/gal As per 40 CFR 59.406

Volume Solids: 40 ± 2%

Weight Solids: 51 ± 2%

Weight per Gallon: 10.21 lb/gal ±2%

Flash Point: N.A.

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

RECOMMENDED SYSTEMS

Steel*:

2 cts. Pro Industrial DTM Acrylic

Steel: Acrylic Primer

1 ct. Pro Industrial Pro-Cryl Primer

or Pro Industrial DTM Primer/Finish

1-2 cts. Pro Industrial DTM Acrylic

Steel: Zinc primer Atmospheric

1 ct. Zinc Clad DOT

or Zinc Clad III HS

2 cts. Pro Industrial DTM Acrylic

Aluminum:

1-2 cts. Pro Industrial DTM Acrylic

Concrete Block:

1 ct. Pro Industrial Heavy Duty Blockfiller

1-2 cts. Pro Industrial DTM Acrylic

Concrete/Masonry:

1 ct. Loxon Concrete & Masonry Primer

1-2 cts. Pro Industrial DTM Acrylic

Drywall

1 ct. ProMar 200 Zero VOC Primer

1-2 cts. Pro Industrial DTM Acrylic

Galvanizing:

2 cts. Pro Industrial DTM Acrylic

Prefinished Siding:(Baked-on finishes)

1 ct. DTM Bonding Primer

1-2 cts. Pro Industrial DTM Acrylic

Wood, Exterior:

1 ct. Exterior Wood Primer

1-2 cts. Pro Industrial DTM Acrylic

Wood, Interior:

1 ct. Premium Wall & Wood Primer

1-2 cts. Pro Industrial DTM Acrylic

*Safety colors, DeepBase and Ultradeep colors require a prime coat for maximum durability, adhesion, and corrosion protection. Application of coating on unprimed bare steel may cause pinpoint rusting.

System Tested: (unless otherwise indicated)

Substrate: Steel

Surface Preparation: SSPC-SP10

Finish: Pro Industrial DTM Acrylic, B66W01151 – 2 cts @ 3.0 mils dft/ct

Adhesion:

Method: ASTM D4541

Result: > 500 psi

Abrasion Resistance¹:

Method: ASTM D4060, CS17 1000 cycles,

1kg

Result: 9.05 mg Loss

Corrosion Weathering:

Method: ASTM D5894, 10 cycles

Result: Rating 10, per ASTM D714 for

blistering

Rating 9, per ASTM D1654 for

corrosion

Direct Impact Resistance:

Method: ASTM D2794

Result: ≥ 176 in. lb

Dry Heat Resistance:

Method: ASTM D2485

Result: 300°F

Flexibility:

Method: ASTM D522, 180° bend,

1/8" mandrel

Result: Pass

Humidity Resistance:

Method: ASTM D4585, 1156 hours

Result: Rating 10 per ASTM D714 for

blistering

Rating 10 per ASTM D1654 for

corrosion

Pencil Hardness:

Method: ASTM D3363

Result: 2H, 30 day air dry

Salt Fog Resistance:

Method: ASTM B117, 240 hours

Result: Rating 10 per ASTM D714 for

blistering

Rating 7.5 per ASTM D1654 for

corrosion

¹ 2 coats 6 mil wft (7 day cure)

Provides performance comparable to products formulated In Lieu of federal specification: AA50570, and Paint Specification: SSPC-Paint 24

PRO INDUSTRIAL™ DTM ACRYLIC SEMI-GLOSS



SHERWIN-WILLIAMS.

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-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 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. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Zinc Primers - Refer to the zinc technical data sheet application procedures and performance tips prior to topcoating.

APPLICATION PROCEDURES

Apply paint at the recommended film thickness and spreading rate as indicated on front page. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label.

Refer to the SDS sheets 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.

APPLICATION

Refer to the SDS before using

Temperature: 50°F minimum
110°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.

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..... 10-20 PSI
Reduction..... Not recommended

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

Roller 1/4-3/8" 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 compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

HOTW 03/05/2019 B66W01151 16 35
KOR, SP, FRC