

# Pro Industrial™ DTM

## Acrylic Gloss

### B66-1050 Series



**SHERWIN  
WILLIAMS.**

### 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 resistance
- Suitable for use in USDA inspected facilities

**Finish:** Gloss 70°+ @ 60°

**Color:** Most Colors

#### Recommended Spreading Rate per coat:

Wet mils:	6.0-10.0
Dry mils:	2.4-4.0
Coverage:	160-267 sq. ft. per gallon
Theoretical Coverage:	641 sq. ft. per gallon @ 1 mil dry

Approximate spreading rates are calculated on volume solids and do not include any application loss.

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

#### Drying Schedule @ 6.0 mils wet, @ 50% RH:

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

	@50°F	@77°F	@110°F
To touch	1 hour	20 minutes	10 minutes
Tack free	2 hours	45 minutes	30 minutes
To recoats	2 hours	1 hour	1 hour

#### Tinting with CCE only:

Base	oz. per gallon	Strength
Extra White	0-6	SherColor
Deep Base	6-12	SherColor
Ultradeep Base	10-12	SherColor
Real Red	0-12	SherColor
Vivid Yellow	0-14	SherColor

#### Extra White B66W01051

(may vary by color)

#### V.O.C. (less exempt solvents):

less than 50 grams per litre; 0.42 lbs. per gallon  
As per 40 CFR 59.406

<b>Volume Solids:</b>	40 ±2%
<b>Weight Solids:</b>	48 ±2%
<b>Weight per Gallon:</b>	9.74 lbs
<b>Flash Point:</b>	Greater than 200°F PMCC
<b>Vehicle Type:</b>	Acrylic
<b>Shelf Life:</b>	36 months, unopened
	Store indoors at 40°F to 100°F

### COMPLIANCE

As of 5/26/2023, Complies with:

<b>OTC</b>	Yes
<b>OTC Phase II</b>	Yes
<b>S.C.A.Q.M.D.</b>	Yes
<b>CARB</b>	Yes
<b>CARB SCM 2007</b>	Yes
<b>CARB SCM 2020</b>	Yes
<b>Canada</b>	Yes
<b>LEED® v4 &amp; v4.1 Emissions</b>	Yes
<b>LEED® v4 &amp; v4.1 V.O.C.</b>	Yes
<b>EPD-NSF® Certified</b>	Yes
<b>MIR-Manufacturer Inventory</b>	No
<b>MPI®</b>	Yes

### APPLICATION

**Temperature:**  
minimum 50°F / 10°C  
maximum 110°F / 43°C  
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 p.s.i.
Hose	¼ 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	10-20 p.s.i.

**Reduction:** Not Recommended

**Brush:** Nylon-polyester

**Roller Cover:** 1/4-3/8 inch woven

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

Due to this product's fast dry performance, brushing should be limited to small areas where a wet edge can be maintained.

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

When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle.

Overspray landing on hot surfaces may adhere to these surfaces. Immediately remove overspray from hot surfaces before adhesion occurs.

### SPECIFICATIONS

#### Steel\*

2 coats Pro Industrial DTM Acrylic

#### Steel:

1 coat Pro Industrial Pro-Cryl Primer or Pro Industrial DTM Primer/Finish or Kem Bond HS Metal Primer or Zinc Clad Primer  
1-2 coats Pro Industrial DTM Acrylic

#### Aluminum:

1-2 coats Pro Industrial DTM Acrylic  
**Aluminum (Water Based Primer):**  
1 coat Pro Industrial Pro-Cryl Primer  
1-2 coats Pro Industrial DTM Acrylic

#### Concrete Block (CMU):

1 coat Pro Industrial Heavy Duty Block Filler or Loxon Acrylic Block Surfer  
2 coats Pro Industrial DTM Acrylic

#### Concrete-Masonry:

1 coat Loxon Concrete & Masonry Primer or 1 coat Loxon Conditioner  
2 coats Pro Industrial DTM Acrylic

#### Drywall:

1 coat ProMar 200 Zero V.O.C. Primer  
1-2 coats Pro Industrial DTM Acrylic

#### Galvanizing:

2 coats Pro Industrial DTM Acrylic

#### Pre-Finished Siding: (Baked-on finishes)

1 coat Bond-Plex Waterbased Acrylic or DTM Bonding Primer  
1-2 coats Pro Industrial DTM Acrylic

#### Wood, exterior:

1 coat Exterior Wood Primer  
1-2 coats Pro Industrial DTM Acrylic

#### Wood, interior:

1 coat Premium Wall & Wood Primer  
1-2 coats Pro Industrial DTM Acrylic

\*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.

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

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### SURFACE PREPARATION

**WARNING!** If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

#### **Do not use hydrocarbon solvents for cleaning.**

Remove all surface contamination by washing with an appropriate cleaner, 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. Form 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 clean water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with clean 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 DTM Acrylic B66W01051, 3.0 D.F.T per coat

**Adhesion:**

Method: ASTM D4541  
Result: 1656 p.s.i.

**Corrosion Weathering\*:**

Method: ASTM D5894, 7 cycles  
Result: Rating 10 per ASTM D714 for blistering  
Rating 9.5 per ASTM D1654 for corrosion

**Direct Impact Resistance:**

Method: ASTM D2794  
Result: greater than 176 inch pound

**Dry Heat Resistance:**

Method: ASTM D2485  
Result: 300°F

**Flexibility:**

Method: ASTM D522, 1/8 inch mandrel  
Result: Pass

**Humidity Resistance\*:**

Method: ASTM D4585, 2186 hours  
Result: Rating 10 per ASTM D714 for blistering  
Rating 10 per ASTM D1654 for corrosion

**Pencil Hardness:**

Method: ASTM D3363  
Result: HB

\*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 clean 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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FRC, SP