## Pro Industrial™ DTM

### Acrylic Gloss

#### B66–1050 Series

## CHARACTERISTICS

- **Pro Industrial DTM Acrylic coating**: 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 mills: 6.0-10.0
- Dry mills: 2.4-4.0
- Coverage: 160-267 sq. ft. per gallon
- Theoretical Coverage: 641 sq. ft. per gallon
- Tack free

### Shelf Life:
- @ 1 mil dry

### Gravities:
- **Weight per Gallon**: 48 ±2%
- **Volume Solids**: 40 ±2%
- **Weight Solids**: 9.74 lbs
- **Flash Point**: Greater than 200°F PMCC
- **Vehicle Type**: Acrylic
- **Shell Life**: 36 months, unopened
- **Store indoors at 40°F to 100°F**

### V.O.C. (less exempt solvents):
- **As per 40 CFR 59.406**

### APPLICATION

- **Reduction**: Not Recommended
- **Brush**: Nylon-polyester
- **Roller Cover**: 1/4-3/8 inch woven
- **Airless Spray**:
  - Pressure: 1500 p.s.i.
  - 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.

### 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

#### Concrete Block (CMU):
- 1 coat Pro Industrial Heavy Duty Block Filler
- or Loxon Acrylic Block Surfacer
- 2 coats Pro Industrial DTM Acrylic

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

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

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**Pro Industrial™ DTM**

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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.

Do not use hydrocarbon solvents for cleaning.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeling 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/ ICR No. 310.2R, CSP 1-3. Pour, 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

<table>
<thead>
<tr>
<th>System Tested:</th>
<th>(unless otherwise indicated)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Substrate:</td>
<td>Steel</td>
</tr>
<tr>
<td>Surface Preparation:</td>
<td>SSPC-SP10</td>
</tr>
<tr>
<td>Finish:</td>
<td>2 coats Pro Industrial DTM Acrylic B66W01051, 3.0 D.F.T per coat</td>
</tr>
<tr>
<td>Adhesion:</td>
<td>ASTM D4541</td>
</tr>
<tr>
<td>Result:</td>
<td>1556 p.a.i.</td>
</tr>
<tr>
<td>Corrosion Weathering*:</td>
<td>ASTM D5894, 7 cycles</td>
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<tr>
<td>Result:</td>
<td>Rating 10 per ASTM D714 for blistering</td>
</tr>
<tr>
<td>Direct Impact Resistance:</td>
<td>ASTM D2794</td>
</tr>
<tr>
<td>Result:</td>
<td>greater than 176 inch pound</td>
</tr>
<tr>
<td>Dry Heat Resistance:</td>
<td>ASTM D2485</td>
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<tr>
<td>Result:</td>
<td>300°F</td>
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<tr>
<td>Flexibility:</td>
<td>ASTM D522, 1/8 inch mandrel</td>
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<tr>
<td>Result:</td>
<td>Pass</td>
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<tr>
<td>Humidity Resistance*:</td>
<td>ASTM D4585, 2186 hours</td>
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<tr>
<td>Result:</td>
<td>Rating 10 per ASTM D714 for blistering</td>
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<tr>
<td>Pencil Hardness:</td>
<td>ASTM D3363</td>
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<tr>
<td>Result:</td>
<td>HB</td>
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</tbody>
</table>

*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 cleaner to prevent rusting of the equipment. Follow manufacturer’s safety recommendations when using solvents.

HOTW 5/26/2023 B66W01051 24 35 FRC, SP

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 or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.