Pro Industrial™ DTM Acrylic Semi-Gloss
B66-1150 Series

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: Semi-Gloss 38-48° @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:

- To touch: 1 hour, 20 minutes at 50°F
- Tack free: 2 hours, 45 minutes at 50°F
- To recoat: 2 hours, 1 hour at 50°F

Tinting with CCE only:

<table>
<thead>
<tr>
<th>Base</th>
<th>oz. per gallon</th>
<th>Strength</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extra White</td>
<td>0-6</td>
<td>SherColor</td>
</tr>
<tr>
<td>Deep Base</td>
<td>6-12</td>
<td>SherColor</td>
</tr>
<tr>
<td>Ultradeep Base</td>
<td>10-12</td>
<td>SherColor</td>
</tr>
<tr>
<td>Real Red</td>
<td>0-12</td>
<td>SherColor</td>
</tr>
<tr>
<td>Vivid Yellow</td>
<td>0-14</td>
<td>SherColor</td>
</tr>
</tbody>
</table>

Extra White B66W01151 (may vary by color)

V.O.C. (less exempt solvents): unreduced less than 50 grams per litre; 0.42 lbs. per gallon

Volume Solids: 40 ± 2%
Weight Solids: 51 ± 2%
Weight per Gallon: 10.21 lb
Flash Point: N/A
Vehicle Type: Acrylic
Shelf Life: 36 months, unopened

Store indoors at 40°F to 100°F.

APPLICATION

As of 06/16/2020, Complies with:

| OTC | Yes |
| OTC Phase II | Yes |
| SCAQMD | Yes |
| CARB | Yes |
| CARB SCM 2007 | Yes |
| Canada | Yes |
| LEED® v4 & v4.1 Emissions | Yes |
| LEED® v4 & v4.1 V.O.C. | Yes |
| EPD-NSF® Certification | Yes |
| NSF® Certification | No |
| MPI® Certification | Yes |

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: 1/4 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 Bonds HS 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 Blockfiller or Luxon Acrylic Block Surfacer
- 1-2 coats Pro Industrial DTM Acrylic

Concrete/Masonry:
- 1 coat Luxon Concrete & Masonry Primer (if needed)
- or Luxon Conditioner (if needed)
- 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.

06/2020 www.sherwin-williams.com continued on back
**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. Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing pecked 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. From 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.

**Previously Painted Surface** - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings 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. Re-test 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 water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with 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)

<table>
<thead>
<tr>
<th>Substrate:</th>
<th>Steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface Preparation:</td>
<td>SSPC-SP10</td>
</tr>
<tr>
<td>Finish:</td>
<td>2 coats Pro Industrial DTM Acrylic</td>
</tr>
<tr>
<td>Adhesion:</td>
<td>ASTM D4541</td>
</tr>
<tr>
<td>Result:</td>
<td>1436 p.s.i.</td>
</tr>
<tr>
<td>Corrosion Weathering*:</td>
<td>ASTM D5894, 7 cycles</td>
</tr>
<tr>
<td>Result:</td>
<td>Rating 10, per ASTM D714 for blistering. Rating 8.5 per ASTM D1654 for corrosion</td>
</tr>
<tr>
<td>Direct Impact Resistance:</td>
<td>ASTM D2794</td>
</tr>
<tr>
<td>Result:</td>
<td>greater than 176 inch lb.</td>
</tr>
<tr>
<td>Dry Heat Resistance:</td>
<td>ASTM D2485</td>
</tr>
<tr>
<td>Result:</td>
<td>300°F</td>
</tr>
<tr>
<td>Flexibility:</td>
<td>ASTM D522, 1/8 inch mandrel</td>
</tr>
<tr>
<td>Result:</td>
<td>Pass</td>
</tr>
<tr>
<td>Humidity Resistance*:</td>
<td>ASTM D4585, 2166 hours</td>
</tr>
<tr>
<td>Result:</td>
<td>Rating 10 per ASTM D714 for blistering. Rating 10 per ASTM D1654 for corrosion</td>
</tr>
<tr>
<td>Pencil Hardness:</td>
<td>ASTM D3363</td>
</tr>
<tr>
<td>Result:</td>
<td>2H</td>
</tr>
</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 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**