**Pro Industrial™ DTM Acrylic Gloss**

**B66-1050 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:** 
- Gloss 70+° @60°
- 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

**Wet mils:** @ 1 mil dry

**Coverage:** Blurred coverage is 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
- Tack free: 2 hours
- To recoat: 2 hours

**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):** unreduced
- less than 50 grams per litre; 0.42 lbs. per gallon
  - As per 40 CFR 59.406

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

**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: 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

**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 (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 Loxon Acrylic Block Surfacer
- 1-2 coats Pro Industrial DTM Acrylic

Concrete/Masonry:
- 1 coat Loxon Concrete & Masonry Primer (if needed) or Loxon 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.
**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 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-SP5. 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 powdery cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a sound, 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 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 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.

**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, splatters, 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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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.