**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: To touch: 1 hr 20 min; Tack free: 2 hrs 30 min; To recoat: 2 hrs
- @ 77°F: To touch: 1 hr; Tack free: 1 hr; To recoat: 1 hr
- @ 110°F: To touch: 10 min; Tack free: 30 min; To recoat: 1 hr

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

**Finish:** 38-48@ 60° Semi-Gloss

**Adhesion:**
- Method: ASTM D4541
- Result: > 500 psi

**Abrasion Resistance:**
- 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

**System Tested:** (unless otherwise indicated)

- **Substrate:** Steel
- **Surface Preparation:** SSPC-SP10
- **Finish:** Pro Industrial DTM Acrylic, B66W01151 – 2 cts @ 3.0 mils dft/ct

**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

*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.

**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
- **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

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

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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-SP1/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 abrason 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 life 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.

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.