CHARACTERISTICS

Pro Industrial DTM Acrylic Primer-Finish is an advanced acrylic emulsion, waterborne, corrosion resistant coating for both new construction and industrial applications. It can be used as a primer under most water based topcoats or alone as a primer-topcoat system. It can be used directly over multiple substrates.

Features:
- Flash-Early rust resistant
- Corrosion resistant
- Single component
- Early moisture resistant
- Fast dry
- Interior and exterior use
- Suitable for use in USDA inspected facilities

For use on properly prepared:
- Steel, Galvanized & Aluminum, Concrete and Masonry.

Finish:
- Color: White

Recommended Spreading Rate per coat:
- Wet mils: 5.0-10.0
- Dry mils: 1.9-3.9

Coverage: 160-328 sq. ft. per gallon

Theoretical Coverage: 625 sq. ft. per gallon

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.
- Airless Spray: 50°F minimum
- @55°F: 20 minutes
- @77°F: 20 minutes
- @120°F: 20 minutes
- To touch: 1 hour
- Tack free: 4 hours
- To recoat: 4 hours

Tinting with CCE only: 2 oz. per gallon maximum

PRODUCT IS NOT CONTROLLED FOR TINT STRENGTH.

Application:
- White B66W00011
- V.O.C. (less exempt solvents): less than 50 grams per litre; 0.42 lbs. per gallon

Volume Solids: 39 ± 2%
Weight Solids: 51 ± 2%
Weight per Gallon: 10.35 lb
Flash Point: N/A
Shelf Life: 36 months, unopened

COMPLIANCE

As of 11/11/2021, Complies with:

OTC: Yes
OTC Phase II: Yes
S.C.A.Q.M.D.: Yes
CARB: Yes
CARB SCM 2007: Yes
CARB SCM 2020: Yes
Canada: Yes
LEED® v4 & v4.1 Emissions: Yes
LEED® v4 & v4.1 V.O.C.: Yes
EPD-NSF® Certified: Yes
MIR-Manufacturer Inventory: Yes
NSF® Certification: Yes

SPECIFICATIONS

Steel:
- 2 coats Pro Industrial DTM Acrylic Primer-Finish
- 1 coat Pro Industrial DTM Acrylic Primer-Finish
- 1-2 coats Acceptable Topcoat

Aluminum:
- 2 coats Pro Industrial DTM Acrylic Primer-Finish
- 1 coat Pro Industrial DTM Acrylic Primer-Finish
- 1-2 coats Acceptable Topcoat

Concrete Block (CMU):
- 1 coat Pro Industrial Heavy Duty Blockfiller
- 1 coat Pro Industrial DTM Acrylic Primer-Finish

Concrete-Masonry:
- 1 coat Loxon Concrete & Masonry Primer
- 1 coat Loxon Concrete & Masonry Primer
- 2 coats Pro Industrial DTM Acrylic Primer-Finish

Drywall:
- 2 coats Pro Industrial DTM Acrylic Primer-Finish

Galvanizing:
- 2 coats Pro Industrial DTM Acrylic Primer-Finish

Acceptable topcoats:
- Architectural Water Based Acrylic Coatings
- Metalatex Coating
- Pro Industrial Acrylic Coating
- Pro Industrial Dryfall
- Pro Industrial DTM Acrylic
- Pro Industrial Multi-Surface Acrylic
- Pro Industrial Pre-Catalyzed Epoxy
- Pro Industrial Water Based Alkyd Urethane
- Pro Industrial Water Based Catalyzed Epoxy

The finishes listed above are representative of the product’s use, other finishes may be appropriate.
**Pro Industrial™**
**DTM Acrylic Primer-Finish**

### 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-LEAD-4-LINE (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 Cleaning per SSPC-SP2. Remove all oil and grease from the surface per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Prime the area the same day as cleaned.

Self priming

Aluminum - Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1. Self priming.

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-SP1 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. Self priming.

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 Surface. 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 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. Brush 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.

**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 above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

### PERFORMANCE

**System Tested:** (unless otherwise indicated) Steel Surface Preparation: SSPC-SP10 Finish: 2 coats Pro Industrial DTM Primer-Finish, 3 mils D.F.T. per coat

**Abrasion Resistance:** Method: ASTM D4060, CS17 wheel, 1000 cycles, 1000 mg load Result: 225 mg loss

**Accelerated Weathering:** Method: ASTM D4587, QUV-A, 4,000 hrs Result: Passes

**Adhesion:** Method: ASTM D4541 Result: greater than 500 p.s.i.

**Corrosion Weathering:** Method: ASTM D5894, 12 cycles Result: Rating 10, per ASTM D714 for blistering, Rating 9 per ASTM D610 for corrosion

**Direct Impact Resistance:** Method: ASTM D2794 Result: greater than 140 inch lb.

**Dry Heat Resistance:** Method: ASTM D2485 Result: 250°F

**Flexibility:** Method: ASTM D522, 1/4 inch mandrel Result: Pass

**Pencil Hardness:** Method: ASTM D3363 Result: H

**Salt Fog Resistance:** Method: ASTM B117, 500 hours Result: Excellent

**Moisture Condensation Resistance:** Method: ASTM D4585, 100°F (38°C) Result: Excellent

**WVP Perms (US):**

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### 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.

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.