DTM Acrylic Primer/Finish

As of 05/16/2017, Complies with:

| OTC       | Yes | LEED® 09 NC CI | Yes |
| OTC Phase II | Yes | LEED® 09 CS | Yes |
| SCAQMD    | Yes | LEED® 09 H | Yes |
| CARB      | Yes | LEED® v4 Emissions | Yes |
| CARB SCM 2007 | Yes | LEED® v4 VOC | Yes |
| Canada    | Yes | MPI | Yes |

CHARACTERISTICS

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.

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

Color: White
Recommended Spread Rate per coat:

- Wet mils: 5.0 - 10.0
- Dry mils: 1.9 - 3.9
- Coverage: 160 - 320 sq ft/gal

Theoretical coverage sq ft/gal (m²/L) @ 1 mil / 25 microns dft = 625 sq ft

- Wet 55°F 77°F 120°F
- To touch: 1 hr 40 min 20 min
- Tack free: 6 hrs 4 hrs 2 hrs
- To recoat: 8 hrs 4 hrs 2 hrs

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

Finish: 10-20@60°
Flash Point: N/A
Shelf Life: 36 months, unopened
Store indoors at 50°F to 100°F

Tinting: CCE 2 oz/gal maximum
Product is not controlled for tint strength.

VOC (less exempt solvents):
<50 g/L - 0.42 lb/gal

As per 40 CFR 59.406 and SOR/2009-264, s.12

Volume Solids: 39 ± 2%
Weight Solids: 51 ± 2%
Weight per Gallon: 10.35 lb

System Tested: (unless otherwise indicated)
Substrate: Steel
Surface Preparation: SSPC-SP10

Water Based Topcoat:
1-2 cts. Pro Industrial Acrylic Coating
or Pro Industrial Acrylic Dryfall
or Pro Industrial DTM Acrylic
or Pro Industrial DTM Acrylic Primer/Finish
or Pro Industrial Multi-Surface Acrylic
or Pro Industrial Pre-Catalyzed Epoxy
or Pro Industrial Water Based Alkyd Urethane
or Pro Industrial Water Based Catalyzed Epoxy, B73-Series

The finishes listed above are representative of the product's use, other finishes may be appropriate.

Other acceptable topcoats:
1-2 cts. Metalatex Coating
or High Performance Architectural Water Based Acrylic Coatings

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

Flexibility:
Method: ASTM D522, 180° bend, 1/4" mandrel
Result: Passes

Moisture Condensation Resistance (2 coats):
Method: ASTM D4585, 100°F (38°C)
Result: Excellent

Pencil Hardness:
Method: ASTM D3363
Result: H

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

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 and 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-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. Self priming.

Concrete Block - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 50°F (10°C) before filling. Use Heavy Duty Block Filler. 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. 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. Self priming. 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.

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 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.

APPLICATION PROCEDURES

APPLICATION

Refer to the SDS before using
Temperature: 50°F (10°C) minimum
120°F (48°C) maximum
Relative humidity: 85% maximum

Reducer: Water
Airless Spray
Pressure: 2000 psi
Hose: 1/4" ID
Tip: 0.015" - 0.019"
Filter: .60 mesh
Reduction: Not recommended

Conventional Spray
Gun: Binks 95
Fluid Nozzle: 66
Air Nozzle: 63PB
Atomization Pressure: 60 psi
Fluid Pressure: 25 psi
Reduction as needed up to 5% by volume

Brush: Nylon/Polyester
Reduction: Not recommended

Roller: 3/8" woven
Reduction: Not recommended

If specific application equipment is listed above, equivalent equipment may be substituted. Excessive reduction of material can affect film build, appearance, and adhesion.

CLEANUP INFORMATION

Clean spills and spatters immediately with soap and warm water. Clean 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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KOR, SP, FRC

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.