CONCO PAINTS
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Product Data Sheet

P801 DTM Acrylic Prime & Finish

Conco® P801 Interior/ Exterior DTM 100% Acrylic Prime & Finish provides a durable, flash-rust and corrosion resistant primer and coating for new construction and industrial maintenance applications. Provides excellent adhesion to hard, glossy, slick surfaces such as brushed and polished aluminum, fiberglass, PVC and gloss enamel coatings. Ideal for machinery, equipment, piping, walls and trim.

Recommended Uses

- Interior/Exterior
- New Construction & Industrial Maintenance Applications
- Suitable for use in USDA Inspected Facilities
- Primer Under Latex and Alkyd Topcoats
- Self-Priming Flat Finish Aluminum, Iron, Steel and Galvanized Metals
- Masonry, Plaster, Drywall, PVC and Fiberglass
- Machinery, Equipment, Structural Steel, Bar Joists & Pre-Finished Siding, Piping, Walls, Doors and Trim

Performance Benefits

- Excellent Durability
- Flash-Rust and Corrosion Resistant
- Chemical Resistant
- Outstanding Adhesion
- Brush, Roll or Spray

Recommended Systems

Ferrous Metal, Galvanized Metal and Aluminum
2 coats Conco® P801 DTM Acrylic Prime & Finish
or
1 coat Conco® P801 DTM Acrylic Prime & Finish
1 or 2 coats Conco® 8000 Series DTM Acrylic Gloss Industrial Enamel

Plaster/Masonry (allow to cure for 30 days)
2 coats Conco® P801 DTM Acrylic Prime & Finish
or
1 coat Conco® P801 DTM Acrylic Prime & Finish
1 or 2 coats Conco® 8000 Series DTM Acrylic Gloss Industrial Enamel

Aggregate Block
1 coat Conco® P9511 Int/Ext Acrylic Latex Block Filler
1 or 2 coats Conco® P801 DTM Acrylic Prime & Finish

Previously Painted Surfaces
1 or 2 coats Conco® P801 DTM Acrylic Prime & Finish

PVC, Fiberglass
2 coats Conco® P801 DTM Acrylic Prime & Finish
or
1 coat Conco® P801 DTM Acrylic Prime & Finish
1 or 2 coats Conco® 8000 Series DTM Acrylic Gloss Industrial Enamel

Technical Information

Finish:	Flat
Color:	White
Drying Time (@ 77°F, 50% Rel. Humidity)	
To Touch:	40 Minutes
To Recoat:	4 Hours
To Cure:	30 Days
Spread Rate:	150 - 290 Sq. Ft. /Gal (dependent upon surface texture and porosity)
Film Thickness:	5.0 - 10.0 mils wet 2.5 - 5.0 mils dry
Volume Solids:	47% ± 2%
Weight Solids:	61% ± 2%
Weight per Gallon:	11.45 lbs
Vehicle Type:	100% Acrylic
Flash Point:	>200°F, PMCC
V.O.C. Level:	VOC: 132 g/l- 1.11 lb/gal as per 40 CFR 59.406
Reduction:	Water
Cleanup:	Soap & Water
Size:	Available in Ones

Warranty:
20 YEAR LIMITED WARRANTY: If this product, when applied according to label instructions, fails to perform to your complete satisfaction, upon presentation of proof of purchase to the store where the product was purchased we will, as your exclusive remedy, either replace an equivalent quantity of product free of charge or refund the purchase price. This warranty covers paint that is applied according to label instructions and excludes failure due to improper surface preparation, structural defects, or failure of the previous paint. This warranty does not include (1) labor or costs associated with labor for the application of any product and/or (2) any indirect, special, incidental or consequential dam ages with labor for the application of any product and/or (2) any indirect, special, incidental or consequential damages.

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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.

Preparation
To ensure proper adhesion, all surfaces must be clean, dry and free from dirt, wax, grease, oil, chalk, mildew and loose or peeling paint. When solvent cleaning per SSPS- SP1, **do not use hydrocarbon solvents for** cleaning; only use an emulsifying industrial detergent followed by a water rinse. All mildew and mold must be completely and thoroughly removed. Glossy surfaces must be sanded and dusted clean. Always wear a properly selected and fitted NIOSH/MSHA approved dust mask or respirator when sanding.

Ferrous Metal
Remove all rust by hand tool cleaning per SSPC-SP2 and remove all oil and grease by solvent cleaning per SSPC-SP1. For best performance use commercial blast cleaning per SSPC-SP6 with a sharp, angular abrasive. Prime bare steel within 8 hours or before flash rusting occurs.

Galvanized Metal
Allow to weather for 6 months and solvent clean per SSPC-SP1. If weathering is not possible or surface has been treated with chromates or silicates, solvent clean per SSPC-SP1 and a apply a test area. Test adhesion after one-week dry time. If adhesion is poor, brush blast per SSPC-SP7. At minimum, rusty galvanizing should be hand tool cleaned per SSPC-SP2, followed by same day painting.

Aluminum
Remove all corrosion by hand tool cleaning per SSPC-SP2 and remove oil and grease by solvent cleaning per SSPC-SP1.

PVC, Fiberglass
Remove contaminants by solvent cleaning per SSPC-SP1. Scuff sand to abrade surface. Apply test area; test abrasion after one week prior to full application.

Masonry, Plaster, Aggregate Block (allow to cure for 30 days)
Remove all surface contamination by washing with an appropriate cleaner. Allow concrete, mortar, and plaster to cure for 30 days at 75°F. Brick must weather one year. Remove any loose mortar, dust and contamination per SSPC-SP13. Remove form release compounds and curing membranes by brush blasting. Bare block should be filled with Conco® P9511 Interior/Exterior Acrylic Latex Block Filler.

Mildew
Remove 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.**

Cleanup Information
Clean spills and spatters immediately with soap and water. Clean hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with mineral spirits to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using mineral spirits.

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Application
Do not apply at air, surface or product temperatures below 55°F or above 120°F, when relative humidity exceeds 85%, or when rain is forecasted within 16-24 hours of painting. Temperature must be at least 5°F above dew point.

Spray – Airless
Pressure……2000 psi
Tip……..0.015"-0.019"
(product may be reduced with water up to 12% by volume for spray application)

Brush
Use a quality nylon/polyester brush.

Roller
Use a 3/8" nap synthetic roller cover with phenolic core.

Cautions
- Not for use on horizontal surfaces where water may collect
- Do not apply in direct sunlight
- Keep from freezing
- Do not use hydrocarbon solvents for cleaning prior to painting

Performance Characteristics

- To ensure maximum protection, stripe coat all crevices, welds and sharp angles.
- For best results over rusty surfaces, apply the first coat by brush.
- During spray application, overlap 50% with each pass of the spray gun to avoid bare areas, pinholes and holidays.
- Avoid rain, dew, high humidity and moisture condensation during the16-24 hours after application, as the film will be sensitive.
- The spread rates are calculated by the volume solids and do not take into consideration product loss caused by applicator technique ,method of application, surface irregularities, over thinning and climatic conditions.
- Excessive reduction can affect hide, film build, appearance, abrasion resistance and adhesion.
- Application temperature below 55° F could cause adhesion, drying and curing issues.
- Application above 95° F could result in poor adhesion, dry spray and uneven sheen.
- Conco® P801 DTM Acrylic Prime & Finish is sensitive to hydrocarbon containing solvents. When cleaning the surface per SSPC-SP1, use only emulsifying detergents and degreasers followed by a water rinse.
- DO NOT USE HYDROCARBON SOLVENTS FOR CLEANING

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Performance Characteristics

System Tested:

Substrate: Steel
Surface Preparation: SSPC-SP10

1 coat Conco® P801 DTM Acrylic Prime & Finish @ 3 mils dry film thickness (dft)

Abrasion Resistance

- Method: ASTM D4060, CS17 Wheel, 1000 cycles, 1kg load
- Result: 225 mg loss

Adhesion

- Method: ASTM D4541
- Result: >500 psi

Accelerated Weathering, 2 coats

- Method: ASTM D4587, QUV-A, 4000 hours
- Result: Passes

Corrosion Weathering

- Method: ASTM D5894, 12 cycles, 4,032 hours, 5,040 hours
- Result: Rating 10 per ASTM D714 for blistering; Rating 9 per ASTM D610 for rusting

Direct Impact Resistance

- Method: ASTM D2794
- Result: >140 in. lbs.

Dry Heat Resistance

- Method: ASTM D2485
- Result: 250° F

Exterior Durability

- Method: 1 year, 45° South
- Result: Excellent

Flexibility

- Method: ASTM D522, 180° bend, 1/4” mandrel
- Result: Passes

Moisture Condensation Resistance

- Method: ASTM D4585, 100° F, 500 hours
- Result: Excellent

Pencil Hardness

- Method: ASTM D3363
- Result: H

Salt Fog Resistance

- Method: ASTM B117, 500 hours
- Result: Excellent