

**CONCO PAINTS**

Pro Technology... Engineered For The Job™

Product Data Sheet**SERIES**
8500 DTM Alkyd Gloss Industrial Enamel

Conco® Interior/Exterior DTM Alkyd Gloss Industrial Enamel provides a tough, durable corrosion-resistant coating for new construction and industrial maintenance applications. High solids high gloss formula is highly resistant to abrasion, corrosion and a variety of chemicals. Excellent for use on machinery, equipment, piping, railings, tanks, as a safety marking enamel and as an all-purpose maintenance enamel on walls, doors and trim.

Recommended Uses

- Interior/Exterior
- New Construction & Industrial Maintenance Applications
- Previously Painted Surfaces
- Suitable for Use in USDA Inspected Facilities
- Handrails
- Machinery
- Safety and Pie Marking
- Ferrous Metals
- Wood, Masonry & Drywall

Performance Benefits

- Tough, Hard, Durable Finish
- Maximum Gloss & Color Retention
- Flash-Rust and Corrosion Resistant
- Chemical Resistant
- Outstanding Chip & Flake Resistance
- Excellent Abrasion Resistance
- Brush, Roll or Spray
- Tintable to Hundreds of Colors

Certification

Master Painters Institute: MPI #96

Recommended Systems**Ferrous Metal**

1 coat Conco® P851 DTM Alkyd Rust Control Metal Primer

1 or 2 coats Conco® 8500 series DTM Alkyd Gloss Industrial Enamel

Aluminum & Galvanized Metal

1 coat Conco® P801 DTM Acrylic Prime & Finish

1 or 2 coats Conco® 8500 series DTM Alkyd Gloss Industrial Enamel

Masonry & Plaster (allow to cure for 30 days)

1 coat Conco® P801 DTM Acrylic Prime & Finish

1 or 2 coats Conco® 8500 series DTM Alkyd Gloss Industrial Enamel

Aggregate Block

1 coat Conco® P9511 Interior/Exterior Acrylic Latex Block Filler

1 or 2 coats Conco® 8500 series DTM Alkyd Gloss Industrial Enamel

Interior Drywall

1 coat Conco® P001 Interior Drywall PVA Primer/Sealer

1 or 2 coats Conco® 8500 series DTM Alkyd Gloss Industrial Enamel

Wood, Redwood, Cedar

2 coats Conco® 8500 series DTM Alkyd Gloss Industrial Enamel

Pre-primed Fiberboard, Plywood, Hardboard,

1 Conco® P007 Interior/Exterior All Surface 100% Acrylic Stainblocking Primer

1 or 2 coats Conco® 8500 series DTM Alkyd Gloss Industrial Enamel

Technical Information

Finish:	Gloss 70-80 @ 60°
Colors:	Bright White, Safety Red, Safety Yellow, Black Custom Tints
Drying Time (@ 4 mils wet, 50% Rel. Humidity)	
	50°F 77°F 110°F
To Touch:	6 Hrs 4 Hrs 2 Hrs
Tack Free:	14 Hrs 10 Hrs 6 Hrs
To Recoat:	24 Hrs 16 Hrs 12 Hrs
To Cure:	14 Days 7 Days 4 Days
Spread Rate:	241 - 482 Sq. Ft. /Gal (dependent upon surface texture and porosity)
Film Thickness:	3.5 - 7.0 mils wet 2.0 - 4.0 mils dry
Volume Solids:	59% ± 2%
Weight Solids:	73% ± 2%
Weight per Gallon:	9.71 lbs
Vehicle Type:	Alkyd
Flash Point:	103°F, PMCC
V.O.C. Level:	VOC: 320 g/l- 2.67 lb/gal as per 40 CFR 59.406
Reduction:	Xylene
Cleanup:	Xylene
Size:	Available in Ones and Fives

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 damages with labor for the application of any product and/or (2) any indirect, special, incidental or consequential damages.

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 wax, grease, oil, loose rust, peeling paint and other contaminants. 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 mask or respirator when sanding.

Ferrous Metal

Remove all rust by hand tool cleaning per SSPC-SP2 and remove 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 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. No primer necessary.

Aluminum

Remove all corrosion by hand tool cleaning per SSPC-SP2 and remove oil and grease by solvent cleaning per SSPC-SP1. No primer necessary.

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. No primer necessary. Bare block should be filled with Conco® P9511 Interior/Exterior Acrylic Latex Block Filler

New Wood, Pre-primed Fiberboard, Hardboard, Cedar, Redwood

Sand weathered areas to fresh wood. Scrape, sand and spot prime knots and stains. Fill nail holes. Prime before topcoating.

New Wallboard / Drywall

Fill cracks and holes with spackling compound and sand smooth. Joint compound must be cured and sanded smooth. Remove all sanding dust. Prime before topcoating.

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 splatters immediately with xylene. Clean tools immediately after use with xylene. Follow manufacturer's safety recommendations when using xylene.



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Application

Do not apply at air, surface or product temperatures below 40°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.....1800 psi minimum
Hose.....3/8" ID
Tip.....0.017"-0.019"
Filter.....60-100 Mesh
Reduction.....as needed up to 3% by volume

Brush

Use a nylon/polyester brush
Reduction not recommended

Roller

Use a 1/4"-3/8" woven synthetic roller cover with solvent resistant core
Reduction not recommended

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

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of Conco Paints. Information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Conco Paint retailer or sales representative to obtain the most recent Product Data Sheet.

Performance Characteristics

- To ensure maximum protection, stripe coat all crevices, welds and sharp angles.
- During spray application, overlap 50% with each pass of the spray gun to avoid bare areas, pinholes and holidays
- 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.
- Accent and Safety Colors require a prime coat of Conco® P801 DTM Acrylic Prime & Finish or Conco® P851 Alkyd Rust Control Metal Primer for adhesion, corrosion resistance and overall durability.
- Dark colors may exhibit burnishing characteristics.
- Spray equipment should be cleaned and flushed with xylene before use and periods of extended downtime to avoid blockages.



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Performance Characteristics

System Tested:

Substrate: Steel
Surface Preparation: SSPC-SP10
Primer: 1 coat Conco® P851 DTM Alkyd Rust Control Metal Primer @ 3 mils dry film thickness

Finish: 1 coat Conco® 8500 series DTM Alkyd Gloss Industrial Enamel @ 3 mils dry film thickness

Adhesion

- Method: ASTM D4541
- Result: 392 psi

Direct Impact Resistance

- Method: ASTM D2794
- Result: 30 in. lbs.

Dry Heat Resistance

- Method: ASTM D2485
- Result: 200° F (discolors)

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: No rust, delamination, or creepage at scribe

Pencil Hardness

- Method: ASTM D3363
- Result: B

Salt Fog Resistance

- Method: ASTM B117, 500 hours
- Result: No cracking, softening, or delamination
- No more than 1/32" rust creepage at scribe

Product performs comparable to products formulated to federal specifications:

DOD-E-1115C

MIL-E-15090

TT-P-102F