



DYCMP50

MP-50 WHITE PHENOLIC, RUST INHIBITIVE METAL PRIMER

MP50 Data Sheet

CHARACTERISTICS

Dyco MP-50 white phenolic, rust inhibitive metal primer is a superior product formulated and tested for use in Florida's tropical climate. It is recommended for use on new or properly prepared painted metal substrates. Manufactured in a tintable white base formulation.

RECOMMENDED USES

- Galvanized Metal
- Ferrous Metal
- Aluminium

FEATURES/BENEFITS

- Excellent Adhesion and Adhesive Properties
- Inhibits Rust Formation on New Ferrous Steel
- Resistant to Peeling, Cracking and Blistering
- Can be top coated with Alkyds, Epoxies, Urethanes & Acrylics

SPECIAL NOTES

- Not Suitable for Immersion
- Surface Must Be Free of Rust, Dirt, Oil or Grease
- Surface Must Be Sound, Old Coatings Must Be Tightly Bonded
- Do Not Use Near Heat, Sparks or Flame

FOR ADDITIONAL INFORMATION

See MSDS or call toll-free 1-800-282-7901.

TECHNICAL DATA

Vehicle Type Phenolic Modified Alkyd
 Sheen Low Lustre
 Solids by Weight..... 73.08% ± 1%
 Solids by Volume..... 52.57% ± 1%
 Viscosity..... 65-70 KU
 VOC (less exempt solvents): 420 g/L.
 Weight per Gallon 13.00 lbs.

COVERAGE

300 S.F./Gal @ 3.52 Wet mils; 1.6 mils DFT
(Actual coverage may vary depending on type of substrate, and application method.)

KEY ATTRIBUTES

APPLICATION TEMPERATURES: 50 - 110°F (10 - 43.33°C)
 APPLICATION TOOLS: Brush, Roller, or Spray
 Dry Times: Touch - 45 Minutes; Recoat - 24 Hours
 (Dry Time Based on 77°F (25°C), 50% RH)
 Thinner: Dyco E-105
 Clean Up: Lacquer Thinner, Mineral Spirits or Xylene

PHYSICAL PROPERTIES

Perm Rating N/A
 Alkali Resistance..... 8-14 Surface pH.
 Mildew Resistance Good
 Flash Point..... 81°F (27.22°C)





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MP-50 WHITE PHENOLIC, RUST INHIBITIVE METAL PRIMER MP50 Precautions & Application Guide

PRECAUTION: Do not freeze. Wear protective clothing, gloves and eyewear during application and cleanup of this product. Do not transport on passenger seats or inside passenger compartment of any vehicle. Store product in cargo area of vehicle, and secure with protective cloths to prevent accidental spill damage. Do not store at temperature above 100°F (37.77°C). Do not use in drinking water or food systems.

SURFACE PREPARATION (NEW FERROUS METALS): Surfaces must be dry and free of dirt, oil or grease. All rust must be removed by manual, mechanical abrasion, sandblasting. Minimal spot rust must be spot treated with phosphoric acid prior to full primer application.

NON FERROUS METAL (ALUMINUM & GALVANIZED): Surfaces must be clean and dry, free of dirt, oil, grease or mil-scale. Extremely shiny metal may require chemical etch with diluted oxalic or phosphoric acid solution and rinse thoroughly. Spot test for adhesion as needed prior to full prime.

Previously Painted Surfaces: Remove all loose or scaling paint. Remove any rust by manual, mechanical abrasion or spot sand blast. Solvent wipe with Xylene. Spot test a small area for cohesion to previous coating. If previous coating lifts, blisters, or peels, all existing paint must be removed by sandblast, mechanical abrasion or chemical stripping.

MIXING: Read and follow label instructions before use. Tools: Apply with a brush, roller or airless sprayer as packaged. Brush: Use appropriate premium latex paint brushes for best results. Roller: Use a 1/4"- 3/8" nap cover for smooth surfaces, a 1/2" nap cover for semi-rough surfaces and a 3/4"-1" nap cover for rough surfaces. Airless sprayer: It is recommended to use a "minimum" 1 gallon per minute pump; with .015-.019 tips, @ 1800-2400 psi; and a 1/4" high pressure material hose. Adjust pressure as needed for desired results.

COVERAGE: Actual coverage may vary depending on substrate and application method.

THINNING: Dyco E-105

LIMITATIONS: Do not apply in direct sunlight or when air or surface temperature is below 50°F (10°C) or above 114°F (45.55°C). Do not apply if temperature is less than 5°F (2.7°C) above dew point. Do not apply if surface is damp or if precipitation is expected within 8 hours. Not recommended for use on surfaces demonstrating hydrostatic or high vapor pressure or for immersion service.

CAUTION!

CONTAINS PETROLEUM DISTILLATES AND XYLENE. HARMFUL IF SWALLOWED. MAY CAUSE EYE, SKIN AND RESPIRATORY IRRITATION. USE WITH ADEQUATE VENTILATION. DO NOT TAKE INTERNALLY. KEEP CLOSED WHEN NOT IN USE. KEEP OUT OF REACH OF CHILDREN.

To avoid breathing vapor, spray mist, or sanding dust, open windows and doors or use other means to ensure fresh air during sanding, application, and drying. If you experience eye watering, headaches, or dizziness, increase fresh air or wear respiratory protection (NIOSH/MSHA TC 23C or equivalent) or leave area.

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

CALIF. PROP. 65 • CHEMICAL WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Use proper protection and adequate ventilation, when using product.

FIRST AID: If you experience difficulty in breathing, leave area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention; for skin, wash thoroughly with soap and water. If swallowed, get medical attention immediately.

Material Safety Data Sheet available upon request.



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