

DTM400

ALL-IN-ONE PRIMER AND TOPCOAT



TECHNICAL DATA SHEET

DTM400 is a water based polymer emulsion with special adhesion promotion properties to all metal substrates, including galvanized surfaces. The key features of this resin matrix is early dry and wet adhesion to various metal substrates and superior vapor and water barrier properties. The corrosion resistance of **DTM400** consists of synergistic corrosion additives that work aggressively, in combination with the resin matrix, to ward the onset of the corrosion process. On galvanized surfaces DTM400 retards the occurrence of white rust and significantly enhances the rust protection process.

The coating exhibits outstanding corrosion and early water resistance for direct-to-metal primer applications. Besides a corrosion-resistant primer, **DTM400** is also a highly durable topcoat and can provide an aesthetic direct-to-metal finish.

CHEMICAL DATA:

NVW (%)	>46%
pH	7.5 - 8.5
Visc. (cps)	25000
Flash Point	>201°F
Chemical Stability	Stable
VOC	70gms/ltr
Storage	55 - 77°F

PHYSICAL DATA:

Koenig Hardness	90
Weight	10.38 lbs/gal
Quick drying with good surface hardness	
Color	Medium gray
Spread Rate	300+ sq. ft./gal (approx.)
Dry Film Thicknes per coat	2 to 3 mil mil (approx.)
Resistant to water, oils and mild acids	

APPLICATION: DTM400 is extremely easy to apply using a brush, roller or airless sprayer and will air dry to form a tough tenacious film. The standard product has a medium gray color. The coating will become dry to the touch in 10 to 15 minutes at ambient temperature of 77°F. It will continue to cure over the next 72 hours and develop its optimal protective properties. Objects to be coated should be free of all surface dirt, rust and other contaminants. When used as a primer, **DTM400** can be topcoated with commonly available water based acrylic and urethane paints. It is important to allow the primer coat to dry completely before commencing with the application of additional coats or the topcoat.

USAGE: DTM400 is a high solids coating with a viscosity around 25,000 cps at 77 deg. F. It has a spread rate of 300 plus square feet per gallon, and much higher if applied via spraying. The resulting dry film thickness would be approximately 2 to 3 mils. **DTM400** is normally supplied in a medium gray color and is also offered in other colors on a special request basis. The dry **DTM400** coating has a satin to matte finish and if required it can be enhanced to a gloss finish by topcoating it with Liquiguard Technologies' weather resistant topcoat **Seal-n-Shine**.