



Water Reducible DTM Primer/Monocoat

WPM Series

CPC 174

RECOMMENDED USE		PERFORMANCE FEATURES					
<p>Component A</p> <p>WPM-901LG Water Reducible DTM Black Low Gloss</p> <p>WPM-495 Water Reducible DTM Gray</p>		<p>Surface to be primed must be properly prepared, dry, clean and free of all contamination. SSPC-SPC2 Hand Tool or SSPC-SPC3 Power Tool Clean is Minimum. For best performance, SSPC-SP6 (NACE#3), Commercial Blast Cleaning is recommended.</p>					
<p><b>Type:</b> Waterbased</p> <p>WPM Series are direct to metal waterborne coatings where corrosion resistance over ferrous substrates is required in a one coat application.</p>		<b>Metal</b>	<b>Recommended Topcoat</b>	<b>Direct To Properly Treated Substrate</b>			
<p><b>PHYSICAL CONSTANTS</b></p>		Cold Rolled Steel	N/A	Good			
<p><b>Mixed Voc</b> (Varies by color)</p> <p>WPM-901LG 2.16 lbs/gal (minus water)</p> <p>WPM-495 2.11 lbs/gal (minus water)</p>		Hot Rolled Steel	N/A	Good			
<p><b>Percent Solids By Weight</b> (Mixed)</p> <p>WPM-901LG 45%</p> <p>WPM-495 48%</p>		Galvanized	Not recommended	Not Recommended			
<p><b>Percent Solids By Volume</b> (Varies By Color)</p> <p>WPM-901LG 36%</p> <p>WPM-495 36%</p>		Galvaneal	Not recommended	Not Recommended			
<p><b>Weight Per U.S. Gallon</b> (Varies By Color)</p> <p>WPM-901LG 9.4 lbs/gal</p> <p>WPM-495 10.0 lbs/gal</p>		Aluminum	N/A	Fair			
<p><b>Flash Points</b> (Pensky-Martens)</p> <p>WPM-901LG 205°F (96°C)</p> <p>WPM-495 205°F (96°C)</p>		<b>APPLICATION DATA</b>					
<p><b>Ready To Spray Viscosity</b> (Varies By Color)</p> <p>WPM-901LG #3 Zahn = 18 - 24 secs.</p> <p>WPM-495 #2 Zahn = N/A</p>		<p><b>Mixing Directions</b></p> <p>Mix thoroughly before and occasionally during use</p>					
<p><b>PERFORMANCE FEATURES</b></p>		<p><b>Pot Life</b></p> <p>N/A</p>					
<p><b>Pencil Hardness</b> (Varies By Color) H B</p>		<p><b>Thinning</b></p> <p>Ready to spray – Up to 10% water if needed</p>					
<p><b>Flexibility</b> (Conical Mandrel) ASTM D522 Pass</p>		<b>Spray Application</b>	<b>Spray Equipment</b>	<b>Pressure Pot</b>	<b>Pressure (PSI)</b>	<b>Atomizing Air (PSI)</b>	<b>Tip</b>
<p><b>Adhesion</b> 5B CRS, Bondrite 1000</p>		Conventional	Binks 95SL *	¼" Fluid	60	5-7	66 SK
<p><b>Sheen</b> WPM-901LG 25 - 40</p>		Conventional	Graco Delta Air *	¼" Fluid	60	5-7	.042
<p><b>200 Hour Humidity Resistance</b> Pass, no blistering, minimal blushing.</p>		Air Assisted Airless	Graco Alpha A.A.*	NA	1000-1500	30-50	.013 or .015
		Airless	Graco Airless	NA	1800-2300	NA	.013 - .015

APPLICATION DATA	SAFETY
<p><b>Drying Time</b> (77°F(25°C) and 50% relative humidity)</p> <p>To Touch: 10 minutes</p> <p>To Handle: 15 - 20 minutes</p> <p>To Dry: 8 hours*</p> <p>Recommended Wet Film Build: 2.8 – 5.5 mils</p> <p>Recommended Dry Film Build: 1.0 – 2.0 mils</p> <p>* This condition does not mean that the paint film has reached full cure. Paint film is not fully cured for 7 days. It is a stage where handling can be achieved without loosening, wrinkling or otherwise marring the film under minimal pressure from fingers or hands. Drying time listed may vary, depending upon film build, color selection, temperature, humidity and degree of air movement.</p> <p>Film in excess or below these recommended film builds may cause problems such as, adhesion failure, pigment floatation, solvent popping, slow cure, and accelerated gloss and color failure.</p> <p>Applications outside of our recommended ambient temperature and humidity along with a film thickness in excess of what is recommended for this product will substantially extend dry times.</p> <p><b>Recommended Spreading Rate</b> 561 sq. ft. @ 1.0 mil dry film per U.S. gallon (varies by color). Coverage figures do not include losses due to mixing, transfer or application of coating or losses due to surface irregularities or porosity.</p>	<p>These materials are designed for application only by professional, trained personnel, using proper equipment under controlled conditions and are not intended for sale to the general public. Safe application of paints and coatings requires knowledge of equipment materials and individual training. Directions and precautionary information on both equipment and products should be carefully read and strictly observed for personal safety and property protection. Consideration must be given to eliminate conditions, which may generate hazardous atmospheres during spray application or subject operators or bystanders to injury or illness. Special precautions must be taken when utilizing spray equipment, particularly airless equipment. High-pressure injection of coatings into the skin by airless equipment may cause serious injury requiring immediate medical attention at a hospital. Treatment advice may also be obtained from Poison Centers. Air quality should be maintained with adequate ventilation; applicators can achieve additional protection by wearing respirators and other protective garments such as gloves and overalls. In all cases, wear protective eye equipment. During the application of all coatings materials, all flames, welding and smoking must be prohibited. Explosion proof equipment must be used when coating these materials in confined areas.</p>
<p><b>Clean Up</b> Soap and warm water</p>	<p><b>Precautionary Information</b> Before using the products listed herein, carefully read each product label and follow directions for its use. Please read and observe all warnings and precautionary information on all product labels. Prevent all contact with skin and eyes and breathing of vapors and spray mist. Repeated inhalation of high vapor concentrations may cause a series of progressive effects including irritation of the respiratory system, permanent brain and nervous system damage and possible unconsciousness and death in poorly ventilated areas. Eye watering, headaches, nausea, dizziness and loss of coordination are indications that solvent levels are too high. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.</p>
<p><b>Application Precautions and Limitations</b> 6 month shelf life PROTECT FROM FREEZING</p> <p>All Commercial Coatings Performance data is based on spray application, at the recommended film build. If alternative application methods are employed, substrate preparation and film builds listed for spray application must be followed.</p>	<p>KEEP OUT OF THE REACH OF CHILDREN</p> <p><b>Medical Response</b> Emergency Medical or Spill Control Information (412) 434-4515; CANADA (514) 645 - 1320 Have label information available.</p> <p><b>MATERIAL SAFETY DATA SHEET</b> Material Safety Data Sheets for the PPG products mentioned in this publication are available through your PPG Distributor. FOR ADDITIONAL INFORMATION REGARDING THIS PRODUCT, SEE THE MSDS AND LABEL INFORMATION.</p> <p>To the best of our knowledge, the technical information in this bulletin is accurate; however, since PPG Industries, Inc. is constantly improving its coatings and paint formulas, the current technical data may vary somewhat from what was available when this bulletin was printed. Contact your PPG Distributor for the most up-to-date information.</p>

