



## Water Reducible DTM Primer/Monocoat

# WPM Series

# CPC 174

Component A

**WPM-901LG Water Reducible DTM Black Low Gloss**

**WPM-495 Water Reducible DTM Gray**

RECOMMENDED USE		PERFORMANCE FEATURES					
<b>Type:</b> Waterbased		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.					
WPM Series are direct to metal waterborne coatings where corrosion resistance over ferrous substrates is required in a one coat application.		Metal	Recommended Topcoat		Direct To Properly Treated Substrate		
		Cold Rolled Steel	N/A		Good		
		Hot Rolled Steel	N/A		Good		
		Galvanized	Not recommended		Not Recommended		
		Galvaneal	Not recommended		Not Recommended		
		Aluminum	N/A		Fair		
PHYSICAL CONSTANTS		APPLICATION DATA					
<b>Mixed Voc</b> (Varies by color)		<b>Mixing Directions</b>					
WPM-901LG	2.16 lbs/gal (minus water)	Mix thoroughly before and occasionally during use					
WPM-495	2.11 lbs/gal (minus water)						
<b>Percent Solids By Weight</b> (Mixed)		<b>Pot Life</b>					
WPM-901LG	45%	N/A					
WPM-495	48%						
<b>Percent Solids By Volume</b> (Varies By Color)		<b>Thinning</b>					
WPM-901LG	36%	Ready to spray – Up to 10% water if needed					
WPM-495	36%						
<b>Weight Per U.S. Gallon</b> (Varies By Color)							
WPM-901LG	9.4 lbs/gal						
WPM-495	10.0 lbs/gal						
<b>Flash Points</b> (Pensky-Martens)							
WPM-901LG	147°F (64°C)						
WPM-495	147°F (64°C)						
<b>Ready To Spray Viscosity</b> (Varies By Color)							
WPM-901LG	#3 Zahn = 18 - 24 secs.						
WPM-495	#2 Zahn = N/A						
PERFORMANCE FEATURES		Spray Application	Spray Equipment	Pressure Pot	Pressure (PSI)	Atomizing Air (PSI)	Tip
<b>Pencil Hardness</b> (Varies By Color)	H B	Conventional	Binks 95SL *	¼" Fluid	60	5-7	66 SK
<b>Flexibility</b> (Conical Mandrel) ASTM D522	Pass	Conventional	Graco Delta Air *	¼" Fluid	60	5-7	.042
<b>Adhesion</b>	5B CRS, Bondrite 1000	Air Assisted Airless	Graco Alpha A.A.*	NA	1000-1500	30-50	.013 or .015
<b>Sheen</b>	WPM-901LG 25 - 40	Airless	Graco Airless	NA	1800-2300	NA	.013 - .015
<b>200 Hour Humidity Resistance</b>	Pass, no blistering, minimal blushing.						

APPLICATION DATA		SAFETY																																													
<b>Drying Time</b> (77°F(25°C) and 50% relative humidity)		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.																																													
To Touch:	10 minutes																																														
To Handle:	15 - 20 minutes																																														
To Dry:	8 hours*																																														
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Recommended Wet Film Build:		2.8 – 5.5 mils																																													
Recommended Dry Film Build:		1.0 – 2.0 mils																																													
<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>																																															
<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.																																															
<b>Clean Up</b> Soap and warm water																																															
<b>Application Precautions and Limitations</b> 9 month shelf life PROTECT FROM FREEZING																																															
<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>																																															
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<b>Medical Response</b> Emergency Medical or Spill Control Information (412) 434-4515; CANADA (514) 645 - 1320 Have label information available.																																															
<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>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>																																															

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