

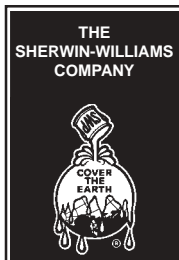
*Industrial
and
Marine
Coatings*



DTM WASH PRIMER

B71Y1

INDUSTRIAL & MARINE COATINGS	PRODUCT INFORMATION			Revised 2/03																			
PRODUCT DESCRIPTION		RECOMMENDED USES																					
<p>DTM WASH PRIMER is a low VOC, water based wash primer free of heavy metals and mineral acids. Designed to be applied over aluminum and galvanizing, or used as a tie-coat over zinc rich primers. Accepts high performance "hot" solvent topcoats directly, such as epoxies and urethanes.</p> <ul style="list-style-type: none"> • Fast dry • Flash rust/early rust resistant • No "critical" film thickness • Low odor • Extended recoat time 		<p>For use over prepared:</p> <ul style="list-style-type: none"> • Aluminum • Zinc rich primers • Product must be topcoated • Galvanizing • Stainless steel 																					
PRODUCT CHARACTERISTICS		PERFORMANCE PROPERTIES																					
<p>Finish: Flat</p> <p>Color: Yellow-Green</p> <p>Volume Solids: 21% ± 2%</p> <p>Weight Solids: 29% ± 2%</p> <p>VOC (EPA Method 24): 143 g/L; 1.19 lb/gal</p> <p>Recommended Spreading Rate: Wet mils: 3.4 - 6.4 Dry mils: 0.7 - 1.3 Coverage: 250 - 470 sq ft/gal approximate</p> <p>Note: Spray apply. Brush and roll for touch-up only.</p> <p>Drying Schedule @ 6.0 mils wet @ 50% RH:</p> <table border="1"> <thead> <tr> <th></th> <th>@ 50°F</th> <th>@ 77°F</th> <th>@ 110°F</th> </tr> </thead> <tbody> <tr> <td>To touch:</td> <td>3 hours</td> <td>2 hours</td> <td>1 hour</td> </tr> <tr> <td>To handle:</td> <td>3 hours</td> <td>2 hours</td> <td>1 hour</td> </tr> <tr> <td>To recoat:</td> <td>8 hours</td> <td>2 hours</td> <td>1 hour</td> </tr> <tr> <td>To cure:</td> <td>7 days</td> <td>5 days</td> <td>3 days</td> </tr> </tbody> </table> <p>Drying time is temperature, humidity, and film thickness dependent.</p> <p>Shelf Life: 36 months, unopened, at 77°F</p> <p>Flash Point: >200°F, PMCC</p> <p>Reducer: Not recommended</p> <p>Clean Up: Water</p>		@ 50°F	@ 77°F	@ 110°F	To touch:	3 hours	2 hours	1 hour	To handle:	3 hours	2 hours	1 hour	To recoat:	8 hours	2 hours	1 hour	To cure:	7 days	5 days	3 days	<p>System Tested: (unless otherwise noted) Substrate: Aluminum Surface Preparation: SSPC-SP1 1 ct.: DTM Wash Primer @ 1.0 mils dft</p> <p>Adhesion: Method: ASTM D3359 Result: 5B</p> <p>Direct Impact Resistance: (on cold rolled steel) Method: ASTM D2794 Result: 160 in. lbs.</p> <p>Flexibility: Method: ASTM D522, 180° bend, 1/8" mandrel Result: Passes</p> <p>Pencil Hardness: Method: ASTM D3363 Result: F</p>		
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PRODUCT INFORMATION

RECOMMENDED SYSTEMS

Aluminum:

- 1 ct. DTM Wash Primer @ 0.7 - 1.3 mils dft
- 2 cts. DTM Acrylic Coating @ 2.5 - 4.0 mils dft/ct

Galvanizing:

- 1 ct. DTM Wash Primer @ 0.7 - 1.3 mils dft
- 2 cts. DTM Acrylic Coating @ 2.5 - 4.0 mils dft/ct

Steel:

- 1 ct. Zinc Clad Primer @ 3.0 - 5.0 mils dft
- 1 ct. DTM Wash Primer @ 0.7 - 1.3 mils dft
- 2 cts. DTM Acrylic Coating @ 2.5 - 4.0 mils dft/ct

Stainless Steel:

- 1 ct. DTM Wash Primer @ 0.7 - 1.3 mils dft
- 2 cts. DTM Acrylic Coating @ 2.5 - 4.0 mils dft/ct

Other Acceptable Topcoats:

Acrolon 218 HS Polyurethane
Hi-Solids Polyurethane
Industrial Enamel HS
Macropoxy HS Epoxy
Metalatex Semi-Gloss Enamel
Sher-Cryl HPA
Sherthane 2K Urethane
Tile-Clad HS Epoxy
Waterbased Tile Clad Epoxy

The systems listed above are representative of the products use, other systems may be appropriate.

SURFACE PREPARATION

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Do not use hydrocarbon solvents for cleaning.

Refer to product Application Bulletin for detailed surface preparation information.

Minimum recommended surface preparation:

Aluminum:	SSPC-SP1
Galvanizing:	SSPC-SP1
Zinc Rich Coatings:	SSPC-SP1
Stainless Steel	SSPC-SP1

TINTING

Do not tint.

APPLICATION CONDITIONS

Temperature:	50°F minimum, 110°F maximum (air, surface, and material) At least 5°F above dew point
Relative humidity:	85% maximum

Refer to product Application Bulletin for detailed application information.

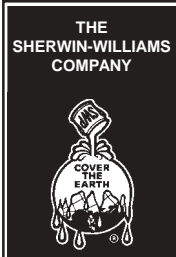
ORDERING INFORMATION

Packaging:	1 and 5 gallon containers
Weight per gallon:	9.23 ± 0.2 lb

SAFETY PRECAUTIONS

Refer to the MSDS sheet before use.

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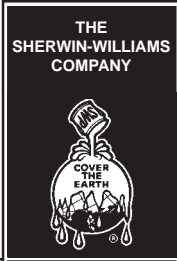


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INDUSTRIAL & MARINE COATINGS	APPLICATION BULLETIN		Revised 2/03
SURFACE PREPARATION	APPLICATION CONDITIONS		
<p>Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.</p> <p>Do not use hydrocarbon solvents for cleaning.</p> <p>Aluminum Remove all oil, grease, dirt, oxide and other foreign material by Solvent Cleaning per SSPC-SP1.</p>	<p>Temperature: 50°F minimum, 110°F maximum (air, surface, and material) At least 5°F above dew point</p> <p>Relative humidity: 85% maximum</p>		
<p>Galvanized Steel Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP7 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned with Kem Bond HS.</p> <p>Zinc Rich Coatings Remove all oil, dust, grease, dirt, loose rust, and other foreign material by cleaning per SSPC-SP1 or water blast per NACE Standard RP-01-72. For weathered zinc coatings, remove zinc salts by either high pressure water washing and scrubbing with a stiff bristle brush or sweep blast followed by a water flush. Allow to dry thoroughly before coating.</p> <p>Stainless Steel Remove all oil, grease, dirt, oxide and other foreign material by Solvent Cleaning per SSPC-SP1.</p>	APPLICATION EQUIPMENT		
	<p>The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.</p> <p>Reducer Not recommended</p> <p>Clean Up Water</p> <p>Airless Spray</p> <p>Pressure 1500 psi Hose 1/4" ID Tip015" - .017" Filter 80 mesh</p> <p>Conventional Spray</p> <p>Gun Binks 95 Fluid Nozzle 66 Air Nozzle 63PB Atomization Pressure ... 50 psi Fluid Pressure 15-20 psi</p> <p>Brush Not recommended except for touch-up work.</p> <p>Roller Not recommended except for touch-up work.</p> <p>If specific application equipment is listed above, equivalent equipment may be substituted.</p>		



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APPLICATION BULLETIN

APPLICATION PROCEDURES

Surface preparation must be completed as indicated.

Mixing Instructions: Mix paint thoroughly by boxing and stirring before use. Avoid unnecessary entrapment of air. Mix with a power mixer at low speed.

Apply paint at the recommended film thickness and spreading rate as indicated below:

Recommended Spreading Rate:

Wet mils:	3.4 - 6.4
Dry mils:	0.7 - 1.3
Coverage:	250 - 470 sq ft/gal approximate

Note: Spray apply. Brush and roll for touch-up only.

Drying Schedule @ 6.0 mils wet @ 50% RH:

	@ 50°F	@ 77°F	@ 110°F
To touch:	3 hours	2 hours	1 hour
To handle:	3 hours	2 hours	1 hour
To recoat:	8 hours	2 hours	1 hour
To cure:	7 days	5 days	3 days

Drying time is temperature, humidity, and film thickness dependent.

Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

PERFORMANCE TIPS

When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle.

Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness or porosity of the surface, skill and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, overthinning, climatic conditions, and excessive film build.

Flush equipment thoroughly with water before using.

Do not apply to rusty galvanizing.

Do not reduce.

Product must be topcoated.

Do not use hydrocarbon solvents for cleaning.

Refer to Product Information sheet for additional performance characteristics and properties.

CLEAN UP INSTRUCTIONS

Clean spills and spatters immediately with soap and warm water. Clean hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with Mineral Spirits to prevent rusting of the equipment. Follow manufacturers safety recommendations when using Mineral Spirits.

SAFETY PRECAUTIONS

Refer to the MSDS sheet before use.

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