



# Mercury Paint **MERTHANE 300CW** **URETHANE TOPCOAT**

<p><b>PRODUCT FEATURES</b></p> <ul style="list-style-type: none"> <li>• HIGH SOLIDS - High build</li> <li>• Excellent color retention</li> <li>• Excellent gloss retention</li> <li>• Abrasion resistant</li> <li>• Corrosion resistant</li> <li>• VOC compliant</li> <li>• Anti-graffiti properties</li> </ul> <p><b>GENERAL PROPERTIES</b></p> <ul style="list-style-type: none"> <li>• A high solid, high build semi-gloss/gloss finish that provides excellent resistance to corrosion, chemicals and abrasion. Available in many attractive colors.</li> </ul>	<p><b>RECOMMENDED USES</b></p> <ul style="list-style-type: none"> <li>• Structural steel</li> <li>• Tanks</li> <li>• Bridges</li> <li>• Rail cars</li> <li>• Concrete</li> <li>• Off shore structures</li> <li>• Power plants</li> <li>• Sewer treatment plants</li> <li>• Water treatment plants</li> <li>• Floors</li> </ul> <p><b>LIMITATIONS</b></p> <ul style="list-style-type: none"> <li>• Must be applied at temperatures above 35°F.</li> <li>• Moisture sensitive.</li> </ul>
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## TECHNICAL DATA

Finish	Semi-gloss / Gloss
Vehicle Type	Aliphatic Urethane / Acrylate
VOC	Less than 340 g.p.l.
% Solid by weight	82 ± 3%
% Solid by volume	65 ± 3%
Weight/Per Gallon	11.0 lbs minimum
Recommended Film Thickness	Wet 4-5 mils Dry 2.5-3.5 mils
Theoretical Coverage	500 sq/ft @ 2 mils dry
Viscosity @ 75° F	95-120 KU
Storage Conditions	Indoors @ 45°F - 110°F
Shelf Life	2 years
Flash Point	58°F (mixed)
Colors	Sage green, White, Black Gray and custom colors
Number of components	Two
Packaged	1 ¼ gallon kits and 5 gallon kits
Application	Brush, Roller or spray
Reducer	300 thinner
Recommended Steel System	Mermas 101, Mermas 200CW, <b>Merthane 300CW</b>



Mercury Paint

## SURFACE PREPARATION

**GENERAL:** Surfaces must be clean, dry and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion. To be used over Mercury Series 100CW, 200CW Epoxy or over Mermas 101 Inc Rich Primer.

## APPLICATION CONDITIONS

	MATERIAL	SUBSTRATE	AMBIENT	HUMIDITY
<b>NORMAL</b>	65-85°F	65-90°F	60-90°F	35-60%
<b>MINIMUM</b>	50°F	35°F	35°F	0%
<b>MAXIMUM</b>	100°F	110°F	90°F	85%

## SAFETY

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 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 coating materials, all flames, welding and smoking must be prohibited. **EXPLOSION PROOF EQUIPMENT MUST BE USED WHEN COATING WITH THESE MATERIALS IN CONFINED AREAS.**

## APPLICATION EQUIPMENT

**Conventional spray** - Binks #62 Gun with a 66 PB Fluid Air Tip/Air cap or equivalent.

**Airless spray** - Graco 205-591 Gun with Bulldog 30-1 or King 45-1 pump. Use 0.015" - 0.019" tip @ 2000 psi.

**Brush / Roller** - Use finest quality Bristle brush and hair roller.

## MIXING & THINNING

**Mixing** - Power mix part A & B separately, then combine and power mix.

**Ratio** - 4:1

**Thinning** - Thinning is not normally required. Use Merthane 300 thinner if needed.

**Pot life** - 4 hours at 75°F and less at higher temperatures.

## CURING SCHEDULE

Surface Temp. % 50% Relative Humidity	Dry to Handle	Dry to Recoat / Topcoat	Final Cure for Immersion
35°F (2°C)	14 Hours	18 Hours	14 Days
75°F (24°C)	7 Hours	8 Hours	8 Days
90°F (32°C)	3 Hours	4 Hours	5 Days

This product is moisture sensitive in the liquid stage. Protect from high humidity, dew and direct contact with moisture.

## ACCURACY OF DATA

The technical data presented above are true and accurate as of the date of issuance of this Mercury Paint data sheet and are subject to change without notice. We endeavor to supply all catalog holders with up-to-date catalog pages. Therefore, if the issue date is more than a year old, please inquire whether a new page has since been issued. Please visit [www.mercurypaint.com](http://www.mercurypaint.com) for the newest version of this data sheet.

## WARRANTY

This product is warranted only to conform to the analysis and specifications expressed above. No other warranty or guarantee, including its merchantability or suitability for any specific application, is implied. The liability of Mercury Paint Corporation, if any, is limited to replacement of product or refund of purchase price and excludes labor, cost of labor of other consequential damages, provided that the purchaser notifies management of Mercury Paint Corporation with twenty-four hours of the application of the product.

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