



AUTOMOTIVE REFINISH

GLOBAL  
REFINISH  
SYSTEM



# Product Information

3.5 VOC Primer-Sealer -California Regulated Districts

## UniPrime<sup>®</sup> DTM

D8040 WHITE

D8041 BLACK

D8042 GRAY

D8043 RED

D8044 YELLOW

D8045 BLUE

UniPrime<sup>®</sup> DTM is a two-pack primer sealer for use under Global topcoats. It can be applied directly to sanded aluminum, galvanized steel or cold rolled steel, without a pretreatment or wash primer application. UniPrime<sup>®</sup> DTM primer sealer is available in six stand-alone bases which may be blended together to obtain a wide variety of colors. UniPrime<sup>®</sup> DTM must be activated with D8240 DTM Hardener.

### Preparation of Substrate



In all cases, wash with soap and water, then use the appropriate Global cleaner. See GLG-142 Global Cleaners bulletin for selection and usage instructions. Ensure that the substrate is thoroughly cleaned and dried both before and after preparation work.



Original Paintwork and Electrodeposition Primer must be sanded using European P280 / U.S. 240 grit discs (dry) or European P360 / U.S. 320 grade paper (wet). Exposed bare metal should be prepared as described below.



Aluminum, Bare Steel and Galvanized Steel must be clean, rust-free and abraded thoroughly using European P180 / U.S. 180 to European P280 / U.S. 240 grit paper (wet). A minimum dry film build before color application of 2.0 mils is required.

Polyester Body Fillers - Do not apply UniPrime<sup>®</sup> DTM as a sealer over polyester body fillers.

Fibre Glass and SMC should be dry sanded using European P280 / U.S. 240 grit paper.

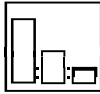
Ensure that the substrate is thoroughly cleaned and dried after preparation work.

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## APPLICATION GUIDE

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### Mixing Ratio:



UniPrime® DTM	2 vols
D8240 Hardener	1 vol
D87XX Compliant Thinner	½ vol

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### Thinner Selection

Fast Compliant  
Medium Compliant  
Compliant

### Temperature

Cool  
Medium  
Warm

### Thinner

D8764  
D8774  
D8767

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### Potlife:



45 minutes @ 20°C / 68°F with D87XX Compliant thinner

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### Additives



None

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### Tinting



UniPrime® DTM colors may be blended together.  
**See DTM Swatch Deck - DOX431**  
UniPrime® DTM cannot be tinted with any other product.

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### Spraygun set-up



1.4 - 1.6 mm or equivalent

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### Spray pressure

<i>HVLP at air cap</i>	0.7 bar / 10 PSI
<i>Conventional at spray gun</i>	2.5 - 3.5 bar / 35-45 PSI

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### Number of coats



1 medium wet coat over previously coated surfaces  
2 medium wet coats over bare metal

## APPLICATION GUIDE

### Drying times:



Between coats @ 20°C / 68°F      5 - 10 minutes  
 Before stoving @ 20°C / 68°F      10 minutes



Dust-free  
 20°C / 68°F      10 minutes



Tape  
 20°C / 68°F      60 minutes



Dry to scuff sand  
 20°C / 68°F      1 - 2 hours  
 60°C / 140°F      20 - 30 minutes\*



Dry to sand IR medium      10 - 20 minutes



Dry to topcoat direct	1 Coat	2 Coats
	30 minutes minimum**	60 minutes minimum**
20°C / 68°F	15 minutes	15 minutes
60°C / 140°F		

*\*Stoving times are for quoted metal temperature. Additional time should be allowed in the force drying schedule to allow metal to reach recommended temperature.*

*\*\*If the sealer is allowed to dry more than 6 hours, it must be scuffed and reapplied before color application.*

### Overcoat



Overcoat with any Global topcoat system.

### Performance Guidelines

The use of HVLP spray equipment can increase transfer efficiency by about 10% depending on the make and model of equipment used.

### Technical Data

#### Total dry film build:

minimum	25µm / 1.0 mils
maximum	75µm / 3.0 mils

Theoretical coverage	21.2 m <sup>2</sup> per l / 860 sq. ft. per US gal.
Percent solids by volume RTS	53.5

#### VOC

D804X package	371 gms per litre / 3.1 lbs. per US gal.
D804X:D8240 (2:1)	395 gms per litre / 3.3 lbs. per US gal.
D804X:D8240 (2:1) less exempt solvents	359 gms per litre / 3.0 lbs. per US gal.
D804X:D8240:D87XX thinner (2:1:1/2) less exempt solvents	359 gms per litre / 3.0 lbs. per US gal.

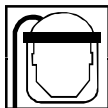
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## Health and Safety

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### See Material Safety Data Sheet and Labels for additional safety information and handling instructions.

-The contents of this package may have to be blended with other components before the product can be used. Before opening the packages, be sure you understand the warning messages on the labels and MSDSs of all the components, since the mixture will have the hazards of all its parts.



-Improper handling and use, for example, poor spray technique, inadequate engineering controls and/or lack of proper Personal Protective Equipment (PPE), may result in hazardous conditions or injury.



-Follow spray equipment manufacturer's instructions to prevent personal injury or fire.

-Provide adequate ventilation for health and fire hazard control.

-Follow company policy, product MSDS and respirator manufacturer's recommendations for selection and proper use of respiratory protection. Be sure employees are adequately trained on the safe use of respirators per company and regulatory requirements.



-Wear appropriate PPE such as eye and skin protection. In the event of injury, see first aid procedures on MSDS.

-Always observe all applicable precautions and follow good safety and hygiene practices.

### Emergency Medical or Spill Control Information (304) 843-1300; In Canada (514) 645-1320

Materials described are designed for application by professional, trained personnel using proper equipment and are not intended for sale to the general public. Products mentioned may be hazardous and should only be used according to directions, while observing precautions and warning statements listed on label. Statements and methods described are based upon the best information and practices known to PPG Industries. Procedures for applications mentioned are suggestions only and are not to be construed as representations or warranties as to performance, results, or fitness for any intended use, nor does PPG Industries warrant freedom from patent infringement in the use of any formula or process set forth herein.

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








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# Global At A GLANCE

## UniPrime<sup>®</sup> DTM

### 3.5 VOC Primer Sealer – California Regulated Districts

<b>Mix:</b>	<b>MIX UniPrime<sup>®</sup> DTM</b>		
	<b><u>DTM Primer</u></b>	<b><u>8240 Hardener</u></b>	<b><u>Global D Series Thinner</u></b>
	<b>2</b>	<b>1</b>	<b>1/2</b>
	<b>Thinner Selection</b>	<b>Temperature</b>	<b>Thinner</b>
	Fast Compliant	Cool	D8764
	Medium Compliant	Med	D8774
	Compliant	Warm	D8767
<b>Pot life:</b>			
	3.5 VOC Sealer	45 minutes @ 20°C / 68°F	
<b>Air Pressure:</b>			
	HVLP:	0.7 bar / 10 PSI	
	Conventional:	2.5 - 3.5 Bar / 35 - 45 PSI at the gun	
	Fluid tip:	1.4 - 1.6 mm or equivalent	
<b>Application:</b>			
	Apply:	1 - 2 coats as a sealer	
	Between coats:	5 - 10 minutes	
	Before stoving:	10 minutes	
<b>Dry Times:</b>			
	Dust-free 20°C / 68°F:	10 minutes	
	Tape 20°C / 68°F:	60 minutes	
	Dry to sand 20°C / 68°F: 60°C / 140°F	1 – 2 hours 20 – 30 minutes*	
	Dry to sand IR medium	10 – 20 minutes	
	Dry to Topcoat 20°C / 68°F: 60°C / 140°F	1Coat 30 minutes minimum** 15 minutes	2 Coats 60 minutes minimum** 15 minutes

\*Stoving times are for quoted metal temperature. Additional time should be allowed in the force drying schedule to allow metal to reach recommended temperature.

\*\*If the sealer is allowed to dry more than 6 hours, it must be scuffed and reapplied before color application.

**Warning: Do not use sealer applications over polyester body filler substrates.**