



## PRODUCT INFORMATION



# MP243 Polyester Primer

### Background

OMNI™ MP243 is a fast drying gray, two component high build polyester primer with excellent filling properties and can be used over a wide variety of substrates. MP243 is lead and chromate free and is ideal for use in areas where VOC compliance is required.

### Components

**Primer**

MP243 Polyester Primer

**Hardener**

MEKP Polyester Primer Hardener

### Compatible Products

**Can be applied over:**

Cleaned, sanded and primed steel, galvanized and aluminum.  
Properly cleaned and sanded E-coat  
Sanded and cleaned body filler, SMC and gel-coated fiberglass.  
MP17x Epoxy Primers  
MP871 2.1 VOC Epoxy Primer - Gray

Do not apply over etch primer.  
Must be over primed or sealed prior to topcoat

**Can be topcoated with**

MP17x Epoxy Primers  
MP281 1K Light Gray Primer Surfacer  
MP182 2K Urethane Surfacer  
MP282 High Build 2K Primer Surfacer  
MP213 GP Sealer  
MP23x 2K Urethane Sealers  
MP871 2.1 VOC Epoxy Primer - Gray  
MP80x 2.1 VOC Multi-Purpose Primers  
MP89x 2.1 VOC Urethane Sealers

### Preparation

**Surface Cleaning:**

MX190 Cleaner  
MX192 Plastic Cleaner  
SXA330 Wax and Grease Remover  
SWX350 (H<sub>2</sub>O-SO-CLEAN™)  
SX1009 2.9 VOC Bug and Tar Remover

**Sanding**

120 - 180 grit on bare metal  
180 - 240 grit on old finishes and body filler

### Mixing

Add 0.5 oz. of MEKP primer hardener per quart of MP243 Polyester Primer or 2 oz. MEKP per gallon of MP243



**Pot Life:** 40 - 50 minutes at 70°F (21°C)

### Air Pressure and Gun Setup



**HVLP:** 8 - 10 psi at the air cap  
**Compliant:** 29 - 40 psi at the gun

**Gun Setup:** 1.3 - 1.6 mm or equivalent

Note: For best overall results, refer to spraygun manufacturer's recommendations for inlet air pressures.

## Application



**Coats**

2 - 3 wet coats

## Dry Times



**Between Coats** 5 - 10 minutes at 70°F (21°C)



**Air Dry:**

1.5 hours at 70°F (21°C) to sand, prime and top coat.  
For optimum results, dry sand using 320 to 400 grit paper.



**Force Dry:**

Flash off for 10 - 15 minutes then force cure 15 - 20 minutes at 140°F (60°C) metal temperature.



**Topcoat:**

**Air Dry**

1.5 hours at 70°F (21°C) to sand, prime and top coat.

**Force Dry**

Cool before sanding, priming and topcoat coating.

## Clean Up

Clean spray guns, gun cups, storage pots, etc., thoroughly with MR Reducer, MS251 Multi Purpose Solvent, MS151 LOW VOC General Purpose Solvent or other appropriate clean up solvents after each use. Follow EPA guidelines for proper storage and disposal of solvent-borne waste paint.

## Mix By Weight

**MP243 at ½ oz. per quart**

Volume	4 oz. / ¼ pint Parts (Grams)	8 oz. / ½ pint Parts (Grams)	16 oz. / 1 quart Parts (Grams)	32 oz. / 1 quart Parts (Grams)
<b>MP243</b>	<b>175.6</b> (155.7)	<b>351.1</b> (311.3)	<b>702.2</b> (622.07)	<b>1404.4</b> (1245.4)
<b>MEKP</b>	<b>2.3</b> (2.0)	<b>4.5</b> (4.0)	<b>9.0</b> (8.0)	<b>18.0</b> (16.0)

**Note:** Additional volumes may be found on PAINTMANAGER®

RTS Combinations:	MP243 + MEKP
Volume Ratio:	2 oz. per 128 oz. / 0.5 oz. per 32 oz.
Applicable Use Category	Primer
VOC Actual (g/L)	205
VOC Actual (lbs/gal)	1.71
VOC Regulatory (less water less exempt) (g/L)	240
VOC Regulatory (less water less exempt) (lbs/gal)	2.00
Density (g/L)	1319
Density (lbs/gal)	11.00
Volatiles wt. %	24.3
Water wt. %	0.0
Exempt wt. %	8.6
Water vol. %	0.0
Exempt vol. %	14.3
Solids vol. %	62.0
Solids wt. %	75.7

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## Properties

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<b>Dry film build per coat</b>	Approximately 2.0 - 3.0 mils dry film per coat
<b>Square ft. coverage at 1 mil</b>	Applied 944 Sq. ft. gal. at 100% transfer

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### Limitations

*Omni* products should not be combined with components of other product lines.

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### Precautionary Information:

The contents of this package may have to be blended with other components before the product can be use. Before opening the packages be sure you understand the warning messages on the labels of all components since the mixture will have the hazards of all of its parts. Spray equipment must be handled with due care and in accordance with manufacturer's recommendations. Follow label directions for respirator use. Wear eye and skin protection. Observe all applicable precautions.

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### Medical Response:

**EMERGENCY MEDICAL OR SPILL CONTROL INFORMATION (412) 434-4515; IN CANADA (514)-645-1320**

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

Material Data Safety Sheets for the PPG products mentioned in this publication are available through your PPG *Omni* brand distributor. To the best of our knowledge, the technical information in this bulletin is accurate; however, since PPG Industries is constantly improving its coating and paint formulas, the current technical data may vary somewhat from what was available when this bulletin was printed. Contact your *Omni* brand distributor or visit [www.ppgrefinish.com](http://www.ppgrefinish.com) for the most up-to-date information.

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