

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 (H₂O-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)
MP243	175.6 (155.7)	351.1 (311.3)	702.2 (622.07)	1404.4 (1245.4)
MEKP	2.3 (2.0)	4.5 (4.0)	9.0 (8.0)	18.0 (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

Properties

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

Limitations

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

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.

Medical Response:

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

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 for the most up-to-date information.

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