

## MP17x Series Epoxy Primers

### Background

OMNI® MP17x Series Epoxy Primers are two-component, non-chrome epoxies designed to provide superior corrosion protection and adhesion when applied over properly cleaned and sanded bare metal, fiberglass and painted surfaces. They are available in gray, white or black

### Components

#### Primer

MP170 Epoxy Primer - Gray  
MP171 Epoxy Primer - White  
MP172 Epoxy Primer - Black

#### Catalyst

MP175 Epoxy Primer Catalyst

#### Reducer

Acetone (optional)

### Compatible Products

#### Can be applied over:

Properly cleaned, sanded, bare or primed steel, galvanized and aluminum.  
Sanded and cleaned body filler, SMC and gel-coated fiberglass  
Properly cleaned and sanded E-coat  
Cleaned, cured and sanded OEM and refinish coatings.  
MP178 Plastic Primer  
MP243 Polyester Primer  
MP281 1K Light Gray Primer Surfacer  
MP182 2K Urethane Surfacer  
MP282 High Build 2K Primer Surfacer

#### Can be topcoated with:

MP243 Polyester Primer  
MP281 1K Light Gray Primer Surfacer  
MP182 2K Urethane Surfacer  
MP282 High Build 2K Primer Surfacer  
MP213 GP Sealer  
MP23x 2K Urethane Sealers  
MBP *Omni* Plus Acrylic Urethane Basecoat  
MBC Acrylic Basecoat  
MTK Acrylic Urethane Single Stage  
MAE Acrylic Enamel  
MAE Acrylic Enamel with Hardener

*\*Note: MP17x Series Epoxy Primers should not be applied over MP176 Etch Primer*

### Preparation

#### Surface Cleaning:

MX190 Cleaner  
MX192 Plastic Cleaner  
SXA330 Wax and Grease Remover  
SWX350 (H<sub>2</sub>O-SO-CLEAN®) Waterborne Pre-Cleaner

#### Sanding

120 - 180 grit on bare metal  
220 - 320 grit on old finishes, body filler.

### Mixing



#### Ratios:

<b>MP17x Series</b>	:	<b>MP175</b>	:	<b>Acetone*</b>
<b>2</b>	:	<b>1</b>	:	<b>up to ½ part</b>

\*Optional

#### Note:

Allow a 15 minute induction period before applying



#### Pot Life:

8 hours at 70°F (21°C)



#### Additives:

None

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## Air Pressure and Gun Setup

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**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

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**Coats:** 1 or 2 coats

### Dry Times



**Between Coats:** 1 coat 15 minutes at 70°F (21°C)  
2 coats 30 minutes at 70°F (21°C)



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2 coats 30 minutes at 70°F (21°C)

MP17x Series Epoxy Primers **must** be scuffed and reapplied if allowed to sit more than 3 days (72 hours)

## Clean Up

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Clean spray guns, gun cups, storage pots, etc., thoroughly with MR Reducer, MS251 Multi Purpose Solvent or other appropriate clean up solvent after each use.

Follow EPA guidelines for proper storage and disposal of solvent-borne waste paint.

## Properties

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### VOC

Applied (2:1)	MP170	4.53 lbs./ gal (551 g/L)
	MP171	4.54 lbs./ gal (539 g/L)
	MP172	4.54 lbs./ gal (539 g/L)

Solids by weight 56.4%

Applied (2:1) + up to 0.5 part acetone 4.53 - 4.54 lbs./ gal (543 - 544 g/L)

### Film build per coat

Applied (2:1) 0.9 - 1.1 mils

### Square foot coverage at 1.0 mils

Applied (2:1) 577 sq. ft. per US gallon at 100% transfer

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### 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 used. 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 Safety Data Sheet and Labels for additional safety information and handling instructions.**

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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