

## MP176 Etch Primer

### Background

OMNI® MP176 is a green translucent acid etch primer specifically designed to provide excellent adhesion and corrosion resistance to properly prepared steel and aluminum while offering fast dry characteristics.

### Components

#### Primer

MP176 Etch Primer

#### Catalyst

MP177 Etch Primer Catalyst

### Compatible Products

#### Can be applied over:

Properly cleaned and sanded steel, galvanized and aluminum.  
Not recommended for use directly on fiberglass or over body filler.

#### Can be topcoated with:

MP281 1K Light Gray Primer Surfacer  
MP182 2K Urethane Surfacer  
MP282 High Build 2K Primer Surfacer  
MP213 GP Sealer  
MP23x 2K Urethane Sealers

\*MP176 must be over primed or sealed before topcoating.

### 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

80 - 180 grit on bare metal

### Mixing



#### Ratios

**MP176** : **MP177**  
**3** : **1**



**Pot Life:** 8 hours at 70°F (21°C)



**Additives:** MR reducer may be added when temperatures exceed 95°F (35°C) up to 10% per RTS quart

### 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.

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## Application

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**Coats:** 1 - 2 light coats for maximum film build of 0.4 mils

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## Dry Times

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



**Air Dry:** 15 minutes at 70°F (21°C)



**Recoat/Topcoat:** 15 minutes  
Must lightly scuff before recoating  
MP176 must be sanded and recoated after 24 hours at 70°F (21°C)



**WARNING:** This product contains some chrome pigment which makes the sanding dust toxic. See MSDS for appropriate warnings.

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## Clean Up

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

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

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## Properties

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### VOC

Package (MP176)	6.4 lbs./ gal (771 g/L)
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Applied (3:1)	6.4 lbs./ gal (732 g/L)
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Applied (3:1 + 10%)	6.5 lbs./ gal (779 g/L)
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RTS Solids by Weight	8.8%
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<b>Film build per dry coat</b>	0.2 - 0.4 mils
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### Square foot coverage

Applied (3:1)	421 sq. ft. per US gallon at 0.2 mils at 100% coverage
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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 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 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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