# MP176 Etch Primer

## Background
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. MP176/177 also serves as a pretreatment coating in areas where VOC compliance is required.

## MP176 Etch Primer
- **Primer**: MP176 Etch Primer
- **Catalyst**: MP177 Etch Primer Catalyst

## Compatible Substrates
Properly cleaned and sanded steel, galvanized, aluminum. (Not Recommended on fiberglass)

**Caution**: MP176 should not be applied directly onto Body Filler.

## Preparation
### Surface cleaning
- MX190 Cleaner, MX191 Low VOC Cleaner

### Sanding
- 80 - 180 grit on bare metal

## Mixing
### Ratios
- MP176 : MP177
- 3 : 1

### Pot life
Pot life is 8 hours at 70°F (21°C)

### Additives
MR reducer may be added when temperatures exceed 95°F up to 10% per RTS quart.

## Application
### Coats
- 1 - 2 light coats for maximum film build of 0.4 mils.

### Air Pressure
- HVLP: 5 - 10 PSI at the air cap
- Conventional: 35 - 40 PSI at the gun

### Gun setup
- 1.3 - 1.5 mm or equivalent

## Dry Times
### Between coats
- 5 - 10 minutes at 70°F (21°C)

### Air dry
- 15 minutes before applying primer surfacer or sealer. MP176/177 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.

## Clean Up
Clean spray guns, gun cups, storage pots, etc., thoroughly with MR Reducer, MS100 General Purpose Solvent or another appropriate clean up solvent after each use. Follow EPA guidelines for proper storage and disposal of solvent-borne waste paint.

## Properties
### VOC
- Package (MP176): 6.4 lb./gal.
- Package (MP177): 6.4 lb./gal.
- Applied (3:1+10 % Reducer): 6.5 lb./gal.

### Film build per dry film coat
- Approximately: .2 -.4 mils

### Square foot coverage (100% transfer efficiency)
- Applied (3:1): 421 sq. ft./gal. @ 0.2 mils

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**Limitations:**
- Omnite™ MP or MX Primers 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 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**: (304) 843-1300. IN CANADA: (514) 645-1320.

**Material Safety Data Sheet:**
Material Safety Data Sheets for the PPG products mentioned in this publication are available through your OMNI Distributor.

For additional information regarding this product, see the MSDS and label information.

To the best of our knowledge, the technical information in this bulletin is accurate; however, since PPG Industries, Inc. is constantly improving its coatings and paint formulas, the current technical data may vary somewhat from what was available when this bulletin was printed. Contact your OMNI Distributor for the most up-to-date information.

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