

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 (H₂O-SO-CLEAN®) Waterborne Pre-Cleaner

Sanding

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

Mixing



Ratios:

$$\frac{\text{MP17x Series}}{2} : \frac{\text{MP175}}{1} : \frac{\text{Acetone}^*}{\text{up to } \frac{1}{2} \text{ part}}$$

*Optional

Note:

Allow a 15 minute induction period before applying



Pot Life:

8 hours at 70°F (21°C)



Additives:

None

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: 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

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

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

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 for the most up-to-date information.

