

MP178 Plastic Primer

Background

OMNI® MP178 is a one component, transparent primer designed to provide adhesion to most plastic substrates.

Components

Primer

MP178 Plastic Primer

Compatible Products

Can be applied over:

Cleaned and sanded plastic substrates
(except polyethylene)

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 Series 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

Preparation

Surface Cleaning:

MX192 Plastic Cleaner
SWX350 (H₂O-SO-CLEAN®)

Sanding:

600 grit wet or dry or a gray abrasive pad
(use finer grit for softer plastic)

Mixing



Ratios

MP178 is Ready to Spray



Additives

None

Air Pressure and Gun Setup



HVLP:

Compliant:

8 - 10 psi at the air cap

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 thin coat*

**Must be scuffed and re-applied if not over coated within 24 hours.*

Dry Times



Air Dry: 30 minutes at 70°F (21°C)



Recoat/Topcoat: 30 minutes
Must lightly scuff before recoating

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

RTS Combinations	
Volume Ratio:	As is
Applicable Use Category	Adhesion Promoter
VOC Actual (g/L)	835
VOC Actual (lbs./gal)	6.97
VOC Regulatory (less water less exempt) (g/L)	835
VOC Regulatory (less water less exempt) (lbs./gal)	6.97
Density (g/L)	868
Density (lbs./gal)	7.24
Volatiles wt. %	96.2
Solids wt %	3.8
Water wt. %	0.0
Exempt wt. %	0.0
Water vol. %	0.0
Exempt vol. %	0.0
Film build per coat	0.2 mil
Sq. Ft. Coverage / U.S. gal. 1 mil. @ 100% transfer efficiency	244

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 for the most up-to-date information.



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