

MP220 Chrome Free Etch Primer

Background

OMNI® MP220 Chrome Free Etching Prime is specifically designed to provide excellent adhesion and corrosion resistance to properly prepared steel, galvanized steel and aluminum while offering fast drying characteristics.

Components

Primer

MP220 Chrome Free Etch Primer

Catalyst

MP222 Chrome Free 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

*MP220 must be over primed or sealed before topcoating.

Preparation

Surface Cleaning:

MX190 Cleaner
MX192 Plastic Cleaner
SXA330 Wax and Grease Remover
SWX350 (H₂O-SO-CLEAN®) Waterborne Pre-Cleaner

Sanding

80-180 grit on bare metal

Note: Prime aluminum substrates as soon as possible and no later than 8 hours after cleaning.

Mixing



Ratios

MP220	:	MP222
1	:	1



Pot Life:

24 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 coat for small areas
2 coats for large areas

*Avoid excessive film builds. This may results in poor adhesion and drying characteristics.

Dry Times



Between Coats: 10-15 minutes at 70°F (21°C)



Air Dry: 20 minutes at 70°F (21°C)



Recoat/Topcoat: 20 minutes at 70°F (21°C) for 1 coat
30 minutes at 70°F (21°C) for 2 coats

MP220 must be sanded and recoated after 24 hours at 70°F (21°C)
Maintain 0.5 mil minimum.

Clean Up

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.

Properties

Intended Use	Pretreatment Wash Primer
VOC Less Water Less Exempts Applied (1:1)	6.04 lbs./ gal (724 g/L)
Total Solids by Weight Applied (1:1)	11.5%
Total Solids by Volume Applied (1:1)	25.0%
Film build per dry coat	0.5-0.9 mils
Square foot coverage Applied (1:1)	308 sq. ft. per US gallon at 0.6 mils at 100% coverage

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.

