

MP282 High Build 2K Primer Surfer

Background

OMNI® MP282 is a fast drying, two component, gray, high build 2K primer surfacer designed for today's automotive collision center. MH283 Hardener should be used in cool to normal temperatures; MH284 should be used in hot temperatures or when a longer pot life is needed.

Components

Primer	Hardener	Reducer
MP282 High Build 2K Primer Surfer	MH283 Undercoat Hardener MH284 Undercoat Hardener - High Temperature	MR185 Fast 55-65°F (13-18°C) MR186 Medium 65-75°F (18-24°C) MR187 Slow 75-85°F (24-29°C) MR188 Very Slow 85-95°F (29-35°C)

Compatible Products

Can be applied over:

Cleaned, sanded and etch 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.
MP17x Epoxy Primers
MP178 Plastic Primer
MP220 Chrome Free Etch Primer
MP243 Polyester Primer

Can be topcoated with:

MP17x Epoxy Primer
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

Preparation

Surface Cleaning:

MX190 Wax and Grease Remover
MX192 Plastic Cleaner
SWX350 H₂O-SO-CLEAN®

Sanding

120 - 180 grit on bare metal. For best performance, first apply MP220 Chrome Free Etch Primer or MP170 Epoxy Primer. 180 - 240 grit on old finishes / body filler.

Mixing



Ratios:	MP282	:	MH283/MH284	:	MR18X Reducer
	4	:	1	:	1*

**for high build applications the MR Reducer may be cut to ½ part*



As a Spray Filler:	MP282	:	MH283/MH284
	4	:	1



Pot Life: 1 hour at 70°F (21°C) at 4:1:1
30 minutes at 70°F (21°C) at 4:1:½
20 minutes at 70°F (21°C) at 4:1
MH284 hardener can be used when a longer pot life is needed



Additives:	MX193 Flexible Additive	10% to RTS mix
	MX195 Accelerator	Add 1 oz. to 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.

Application



Coats:	2 - 4 coats
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Dry Times



Between Coats:	5 - 10 minutes at 70°F (21°C)
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Air Dry:	4:1:1 1½ -3 hours at 70°F (21°C) 4:1:½ 3 - 6 hours for high build applications 4:1 8 hours minimum for spray filler applications
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Force Dry:	20 - 30 minutes at 140°F (61°C) metal temperature
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IR (Medium):	10 - 15 minutes
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Topcoat:	Air Dry 1½ -3 hours to sand and topcoat Force Dry After cool down
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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

VOC

Package	4.01 lbs. /gal.
Applied (4:1:1)	4.66 lbs. /gal.
Applied (4:1)	4.24 lbs. /gal.

Film Build Per Coat

Applied (4:1:1)	1.5 - 2.0 mils
Applied (4:1)	2.0 - 2.5 mils

Volume Solids

Applied (4:1:1)	33.5%
Applied (4:1)	40.3%

Weight Solids

Applied (4:1:1)	55.2%
Applied (4:1)	61.8%

Square foot coverage at 1 mil (4:1:1)

Applied (4:1:1)	538 sq. ft. /gal. at 100% transfer
Applied (4:1)	646 sq. ft. /gal. 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 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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