



MAE Acrylic Enamel with Hardener

Background

OMNI® MAE is a fast drying, two component acrylic enamel designed for economy minded collision centers. MAE may also be sprayed with the addition of MX201 Gloss Enhancer to improve gloss normally associated with clearcoating in one easy step.

Components

Color	Hardener	Reducer
MAE Acrylic Enamel	MH101 Hardener	MR185 Fast 55-65°F (13-18°C)
	MH202 High Gloss Hardener	MR186 Medium 65-75°F (18-24°C)
Gloss Enhancer		MR187 Slow 75-85°F (24-29°C)
MX201 Gloss Enhancer		MR188 Very Slow 85-95°F (29-35°C)

Compatible Products

Can be applied over:

Cured, cleaned and sanded OEM and refinish coatings
MP17x Epoxy Primers
MP178 Plastic Primer
MP281 1K Light Gray Primer Surfacer
MP182 2K Urethane Surfacer
MP282 High Build 2K Primer Surfacer
MP213 GP Sealer
MP23x 2K Urethane Sealers

If desired, a clearcoat can be applied to provide additional long term durability.

Can be topcoated with:

MC161 High Solids Urethane Clear
MC250 Urethane Clearcoat
MC260 Quick Clear
MC270 4.2 VOC Production Clear
MC2800 EUROPLUS® Speed Clear

Preparation

Surface Cleaning:

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

Sanding

400 grit (machine or dry hand) or 500 grit (wet) on old finishes and primer surfacers

Mixing



Ratios Standard

MAE	:	MH101/MH202	:	MR Reducers
8	:	1	:	1



Gloss Enhancer

MAE	:	MX201	:	MH101/MH202	:	MR Reducers
8	:	1	:	1	:	1-2



Pot Life

8 hours at 70°F (21°C)

Tinting

MAE may be tinted up to 10% with *Omni* AU mixing bases and equal parts M103 enamel mixing clear.



Additives

MR189 Retarder*	Add 10% to RTS quart
MX193 Flexible Additive	Add 10% to RTS quart
MX194 Fisheye Eliminator	Add up to .5 oz. to RTS quart
MX195 Accelerator	Add 1 oz. to RTS quart
MX200 Accelerator	Add 1 oz. to RTS quart

**Addition of retarder may result in a non-compliant ready to spray VOC. Verify local regulations prior to use.*

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: 3 coats or until proper color is achieved

Dry Times



Between Coats: 5 - 10 minutes at 70°F (21°C)



Air Dry:
Dust: 30 minutes
Tack: 1 - 2 hours
Tape: 4 hours



Force Dry: 30 minutes at 140°F (60°C)



IR: 10 - 15 minutes



Polish:
Air Dry:
16 hours at 70°F (21°C) to polish and put into service.
Force Dry:
8 hours to polish and put into service.



Recoat:
Air Dry:
24 hours at 70°F (21°C)
Force Dry:
24 hours after force dry
Light sanding required after 3 days

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	4.50 lbs./ gal (539 g/L)
Applied Less exempts (8:1:1)	5.00 lbs./ gal (599 g/L)
RTS Solids by weight	40.3-51.7%\$

Film Build Per Coat

Applied (8:1:1)	1.0 - 1.4
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Sq. Ft. coverage at 1 mil

Applied (8:1:1)	560 - 570 sq. ft. /US gallon at 100% transfer
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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.

