

## MBX 3.5 VOC Acrylic Basecoat

### Background

OMNI® MBX is a fast drying, acrylic basecoat designed for today's automotive collision centers. For VOC compliance, MBX must be top coated with a compliant *Omni* clear coat.

### Components

**Color**

MBX 3.5 VOC Acrylic Basecoat

**Reducer**

MR294 Fast 55-65°F (13-18°C)  
 MR295 Medium 65-75°F (18-24°C)  
 MR296 Slow 75-85°F (24-29°C)  
 MR297 Retarder 85-95°F (29-35°C)

### Compatible Products

**Can be applied over:**

Cured, cleaned and sanded OEM and refinish coatings  
 MP871 2.1 VOC Epoxy Primer - Gray  
 MP831 2.1 VOC 1K Primer Surfacer - Gray  
 MP80x 2.1 VOC Multi-Purpose Primers  
 MP89x 2.1 VOC Urethane Sealers

**Can be topcoated with:**

MC730 2.1 VOC Production Clear  
 MC760 2.1 VOC Universal Clear  
 MC770 2.1 VOC High Gloss Urethane Clear  
 MC262 2.1 VOC 4+1 Urethane Clear  
 MC2910 2.1 VOC EUROPLUS® Multi-Panel Clearcoat

### Preparation

**Surface Cleaning:**

SXA330 Wax and Grease Remover  
 SWX350 (H<sub>2</sub>O-SO-CLEAN®) Waterborne Pre-Cleaner  
 SX1009 2.9 VOC Bug and Tar Remover

**Sanding**

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

### Mixing



**Ratios:**

$$\frac{\text{MBX}}{1} : \frac{\text{MR29X Reducer}}{1}$$

**Note:** MBX may be reduced at a 2:1 ratio to improve hiding. At the 2:1 reduction, the flash times between coats may be extended. For metallic and pearl colors, the 1:1 ratio should be used for the final coat to improve metallic control and orientation



**Pot Life:**

Indefinite

**Tinting:**

MBX may be tinted up to 10% with *Omni* AU mixing bases and equal parts M736 compliant basecoat converter.



**Additives:**

Optional  
 The hardener that will be used in the clearcoat selected for the repair may also be added to catalyze the basecoat as follows:  
 10% to unreduced RTS or  
 5% to reduced RTS

## Air Pressure and Gun Setup



<b>HVLP:</b>	8 - 10 psi at the air cap
<b>Compliant:</b>	29 - 40 psi at the gun
<b>Gun Setup:</b>	1.3 - 1.6 mm or equivalent

Note: For best overall results, refer to spraygun manufacturer's recommendations for inlet air pressures.

## Application



<b>Coats:</b>	2 - 3 coats or until proper color is achieved
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## Dry Times



<b>Between Coats:</b>	5 - 10 minutes at 70°F (21°C)
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<b>Air Dry:</b>	Tape: 45 minutes
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<b>Clearcoat:</b>	20 minutes minimum, 24 hours maximum at 70°F (21°C)
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## Clean Up

Clean spray guns, gun cups, storage pots, etc., thoroughly with MR Reducer, MS151 Low VOC General 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

### Film Build Per Coat:

MBX Applied 1:1 0.5 - 0.6 mil

### Square foot coverage at 1 mil

MBX Applied 1:1 245 - 277 sq. ft. / gal. at 100% transfer

RTS Combinations:	MBX Color (Package)	MBX : MR29X	MBX : MR29X
Volume Ratio:	N/A	1:1	2:1
Applicable Use Category	Color Coating	Color Coating	Color Coating
VOC Actual (g/L)	175 - 283	87 - 141	117 - 186
VOC Actual (lbs/gal)	1.46 - 2.36	0.73 - 1.18	0.97 - 1.55
VOC Regulatory (less water less exempt) (g/L)	338 - 417	338 - 417	336 - 417
VOC Regulatory (less water less exempt) (lbs/gal)	2.82 - 3.48	2.82 - 3.48	2.81 - 3.48
Density (g/L)	973 - 1191	1094 - 1267	1074 - 1242
Density (lbs/gal)	8.12 - 9.94	9.13 - 10.57	8.94 - 10.36
Volatiles wt. %	50.5 - 62.4	76.7 - 84.2	67.2 - 77.2
Solids wt. %	37.6 - 49.5	15.8 - 23.3	22.8 - 32.8
Water wt. %	0.0	0.0	0.0
Exempt wt. %	29.9 - 44.6	68.4 - 76.3	55.4 - 66.7
Water vol. %	0.0	0.0	0.0
Exempt vol. %	32.3 - 48.8	66.1 - 74.4	55.2 - 65.7

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**Limitations**

*Omni* products should not be combined with components of other product lines.

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**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.

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**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](http://www.ppgrefinish.com) for the most up-to-date information.

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