



## MP831

### 2.1 VOC 1K Primer Surfacer - Gray

#### Background

OMNI® MP831 is a fast drying gray, 2.1 VOC 1K Primer Surfacer designed for today's automotive collision centers in compliant markets requiring a rapid primer surfacer.

#### Components

**Primer**

MP831 2.1 VOC 1K Primer Surfacer - Gray

**Reducer**

MR294 Fast 55-65°F (13-18°C)

MR295 Medium 65-75°F (18-24°C)

MR296 Slow 75-85°F (24-28°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.

SX1071 Etch Primer

SU470LV 1K Compliant Adhesion Promoter

MP243 Polyester Primer

MP871 2.1 VOC Epoxy Primer - Gray

**Topcoats**

MP871 2.1 VOC Epoxy Primer - Gray

MP80x 2.1 VOC Multi-Purpose Primer

MP89x 2.1 VOC Urethane Sealers

MBPX *Omni* Plus 3.5 VOC Acrylic Urethane Basecoat

MBX 3.5 VOC Acrylic Basecoat

MTX 2.8 VOC Single Stage

MLX 2.8 VOC Acrylic Enamel

#### 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**

180 - 220 grit machine on bare steel

320 - 400 grit machine on primer and old finishes

#### Mixing

**Ratios:**

<b>MP831</b>	:	<b>MR29x</b>
<b>2</b>	:	<b>1</b>

**Pot Life:**

8 hours at 70°F (21°C)

Thoroughly stir before each use

**Additives:**

None

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## Air Pressure and Gun Setup

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**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

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**Coats:** 2 - 3 coats

## Dry Times

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



**Air Dry:** 30 - 40 minutes



**Force Dry:** 15 - 20 minutes at 140°F (60°C) metal temperature



**IR:** 10 - 15 minutes



**Topcoat:**  
**Air Dry**  
30 - 40 minutes at 70°F (21°C)  
**Force Dry**  
After cool down to recoat

Must lightly scuff before recoating.

## Clean Up

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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

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**Dry Film Build Per Coat** 1.0 mil

**Square foot coverage at 1 mil** 247 sq. ft. gal. at 100% transfer

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<b>VOC</b>	<b>Primer-Surfacer</b>
RTS Combinations:	MP831 : MR29X
Volume Ratio:	2 :1
Applicable Use Category	Primer
VOC Actual (g/L)	54
VOC Actual (lbs/gal)	.45
VOC Regulatory (less water less exempt) (g/L)	248 - 249
VOC Regulatory (less water less exempt) (lbs/gal)	2.07 - 2.08
Density (g/L)	1202 - 1248
Density (lbs/gal)	10.0 - 10.4
Volatiles wt. %	72.8 - 73.9
Solids wt. %	26.1 - 27.2
Water wt. %	0.1
Exempt wt. %	68.3 - 69.5
Water vol. %	0.1
Exempt vol. %	78.2 - 78.2

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

