

## MTX 2.8 VOC Single Stage

### Background

OMNI<sup>®</sup> MTX is a low VOC, fast drying acrylic urethane single stage topcoat designed for today's automotive collision centers. It is available in both solid and metallic finishes.

### Components

Color	Hardener	Reducer
MTX 2.8 VOC Single Stage	MH238 Low VOC Hardener	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:	Can be topcoated with:
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	MC730 2.1 VOC Production Clear MC770 2.1 VOC High Gloss urethane Clear MC760 2.1 VOC Universal Clear MC262 2.1 VOC 4+1 Urethane Clear MC2910 2.1 VOC EUROPLUS <sup>®</sup> Multi-Panel Clearcoat

### Preparation

Surface Cleaning:	Sanding
SXA330 Wax and Grease Remover SWX350 (H <sub>2</sub> O-SO-CLEAN <sup>®</sup> ) Waterborne Pre-Cleaner SX1009 2.9 VOC Bug and Tar Remover	320 grit machine or 500 grit (wet) on old finishes and primer surfacers.

### Mixing



**Ratios:**  $\frac{\text{MTX}}{4} : \frac{\text{MH238}}{1} : \frac{\text{MR29x}}{2}$

*For metallic colors, up to 1 additional part of reducer may be added as needed*  
8 hours



**Pot Life:**

**Tinting:**

MTX color may be tinted up to 10% with *Omni* mixing bases and equal parts of M728 MTX converter.



**Additives:**

SLV814 Universal Flexiblizer add 10% to RTS quart  
SLV4985 Universal Flattening Agent, Refer to ONECHOICE<sup>®</sup> product bulletin OC-7.

**Note:**

When using MR296 or MR297 reducers, **Do Not** use SLV73 Fisheye Eliminator

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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.

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## Application

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**Coats:** 2 coats or until proper color is achieved  
Cross coat as needed.

For optimum performance final recommended film build is 2.0 - 2.5 mils.

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## Dry Times

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



**Air Dry:** Dust: 1 hour  
Tack: 4 - 6 hours  
Tape: 12 hours



**Force Dry:** 30 minutes at 140°F (60°C)



**IR:** Medium wave 75% power for 30 minutes



**Polish:** **Air Dry**  
16 - 24 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**  
16 - 24 hours at 70°F (21°C)  
**Force Dry**  
8 hours  
Must lightly scuff before recoating

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## 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.

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## Properties

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### Dry Film Build per coat:

Applied 4:1:2 0.8 - 1.2 mils per coat, dry

### Square foot coverage at 1 mil

Applied 4:1:2 598 - 707 sq. ft. / gal. at 100% transfer

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<b>RTS Combinations:</b>	<b>MTX Color (Package)</b>	<b>MTX : MH238 : MR29X</b>	<b>MTX : MH238 : MR29X : SLV814 (Flexible)</b>
Volume Ratio:	N/A	4 : 1 : 2	4 : 1 : 2 +10%
Applicable Use Category	Single Stage Coating	Single Stage Coating	Single Stage Coating
VOC Actual (g/L)	278 - 355	167 - 210	155 - 195
VOC Actual (lbs./gal)	2.32 - 2.96	1.39 - 1.75	1.30 - 1.63
VOC Regulatory (less water less exempt) (g/L)	310 - 404	262 - 335	255 - 323
VOC Regulatory (less water less exempt) (lbs./gal)	2.59 - 3.37	2.19 - 2.80	2.13 - 2.70
Density (g/L)	1013 - 1276	1088 - 1279	1101 - 1274
Density (lbs./gal)	8.45 - 10.65	9.08 - 10.67	9.19 - 10.63
Volatiles wt. %	32.7 - 52.1	49.7 - 63.6	51.8 - 64.6
Solids wt. %	47.9 - 67.3	36.4 - 50.3	35.4 - 48.2
Water wt. %	0.0	0.0	0.0
Exempt wt. %	10.8 - 19.3	36.2 - 45.8	39.2 - 47.9
Water vol. %	0.0	0.0	0.0
Exempt vol. %	8.2 - 17.0	35.2 - 40.2	37.8 - 42.4

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

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