



# PRODUCT INFORMATION



## MCV High Solids Urethane

### Background

MCV High Solids Urethane is a low VOC 2K Urethane for use on commercial vehicles. It is available in solid colors @ 2.8 lb./gal. and metallic colors @ 3.5 lb./gal..

### CV High Solids Urethane

#### Color

MCV High Solids Urethane

#### Hardener

MFA360 High Solids CV Hardener at 3.5 VOC

MFA361 High Solids CV Hardener at 2.8 VOC

### Compatible Substrates

Cured, cleaned and sanded OEM and fleet finishes

MP170 Epoxy Primer

MP176 Etch Primer\*

MP178 Plastic Primer

MP180 2K Sealer

MP182 2K Urethane Surfacer

MP183 Compliant Sealer

MP184 Compliant Surfacer

MX198 Polyester Primer

MP210 1K High Solids Primer

MP211 2K High Solids Primer

MP213 GP Sealer

\*For optimum properties, MP176 should be overcoated with a primer surfacer or sealer before topcoating.

### Preparation

#### Surface cleaning

MX190 Cleaner, MX191 Compliant Cleaner,  
MX192 Plastic Cleaner

#### Sanding

280 – 320 grit (machine or dry hand) on old finishes and primers.

### Mixing

#### Ratios



**3.5 VOC**

(Solid Colors Only)

**2.8 VOC**



MCV : MFA360 or MCV : MFA361  
4 : 1 4 : 1

Pot life is 2 - 3 hours at 70°F (21°C).

#### Tinting

Can be tinted with M300 series tints only.

#### Additives

MX200 may be added up to 6 oz. at 3.5 VOC or up to 4 oz. at 2.8 VOC per RTS gal.

### Application

#### Coats



2 medium coats

#### Air pressure



HVLP

10 psi at the air cap

Conventional

50 - 60 psi at the gun

#### Gun setup

1.3 - 1.6 mm or equivalent

### Dry Times

#### Air Dry Times at 70°F (21°C)



##### 2.8 VOC

Dust 45 minutes

Tack 3 hours

Tape 8 hours

##### 3.5 VOC

20 - 35 minutes

45 - 60 minutes

3 - 5 hours

#### Between coats



5 - 10 minutes

5 - 10 minutes

#### Force Dry Times

##### 2.8 VOC

Purge 10 minutes

40 minutes at 140°F

30 minutes at 160°F

##### 3.5 VOC

Purge 10 minutes

30 minutes at 120°F

20 minutes at 140°F

15 minutes at 160°F

### Clean Up

Clean spray guns, gun cups, storage pots, etc., thoroughly with MR Reducer, General Purpose Solvent or other appropriate clean up solvent..

### Properties

Package VOC Actual 2.90-3.60 lb./gal.  
348-431 g/l

Package VOC Actual 2.90-3.00 lb./gal.  
Solid Colors Only 348-360 g/l

Package VOC Regulatory 2.90-3.60 lb./gal.  
(Less water less exempt) 348-431 g/l

Package VOC Regulatory 2.90-3.00 lb./gal.  
(Less water less exempt) 348-360 g/l

Solid colors only  
4:1 RTS VOC Regulatory 2.75-3.32 lb./gal.  
(Less water less exempt) 330-398 g/l

4:1 RTS VOC Regulatory 2.52-2.60 lb./gal.  
(Less water less exempt) 302-312 g/l

Solid colors only w / MFA361

#### Dry film build per dry coat

Applied (4:1) 0.75 - 1.25 mils

#### Square foot coverage at 1 mil loss

Applied (3.5 VOC) 840 - 855 sq. ft. / gal., no loss

Applied (2.8 VOC) 970 - 1003 sq. ft. / gal., no loss

### Limitations

Omni™ AU and Omni™ LV should not be combined with components of other product lines.

### Important

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 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.

See Material Safety Data Sheet and Labels for additional safety information and handling instructions.

EMERGENCY MEDICAL OR SPILL CONTROL INFORMATION (412) 434-4515; IN CANADA (514) 645-1320.