



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

(Solid Colors Only)

3.5 VOC

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	3.5 VOC
Dust	45 minutes	20 - 35 minutes
Tack	3 hours	45 - 60 minutes
Tape	8 hours	3 - 5 hours

Between coats



5 - 10 minutes 5 - 10 minutes

Force Dry Times

2.8 VOC	3.5 VOC
Purge 10 minutes	Purge 10 minutes
40 minutes at 140°F	30 minutes at 120°F
30 minutes at 160°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

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

RTS Combinations:	MCV	MCV : MFA360	MCV*	MCV* : MFA361
Volume Ratio:	Package color (As is)	4: 1	Package color (As is) Solid color MCV* formulas only	4: 1 Solid color MCV* formulas only
Applicable Use Category	Single-Stage Coating	Single-Stage Coating	Single-Stage Coating	Single-Stage Coating
VOC Actual (g/L)	398 - 423	370 - 391	349 - 377	304 - 326
VOC Actual (lbs/gal)	3.32 - 3.53	3.09 - 3.26	2.91 -3.14	2.54 - 2.72
VOC Regulatory (less water less exempt) (g/L)	398 - 423	370 - 391	349 - 377	304 - 326
VOC Regulatory (less water less exempt) (lbs/gal)	3.32 - 3.53	3.09 - 3.26	2.91 -3.14	2.54 - 2.72
Density (g/L)	974 - 1225	991 - 1192	1011 - 1297	1028 - 1257
Density (lbs/gal)	8.13 - 10.22	8.27 - 9.95	8.44 - 10.82	8.58 - 10.49
Volatiles wt. %	34.5 - 43.3	32.8 - 39.3	27.3 - 37.0	24.5 - 31.5
Water wt. %	0.0	0.0	0.0	0.0
Exempt wt. %	0.0	0.0	0.0	0.0
Water vol. %	0.0	0.0	0.0	0.0
Exempt vol. %	0.0	0.0	0.0	0.0

*Only MCV solid color formulas should be used to meet 2.83 lbs/gal VOC limit.

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.