



PRODUCT INFORMATION



MCV Basecoat

Background

MCV Basecoat is a fast drying, acrylic basecoat designed for today's fleet refinish centers. MCV Basecoat must be clearcoated with one of the MC Clears.

MCV Basecoat

Color

MCV Acrylic Basecoat

Hardener

MFA360 High Solids CV Hardener

Basecoat Converter

M300 Basecoat Maker

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



Minimum ½ part M300



Maximum 1 part M300

MCV Basecoat M300 MFA360
4 : ½-1 : 1



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

Mixing (cont.)

Tinting

Can be tinted with M300 series tints only.

Additives

none

Application

Coats



2 - 3 medium coats

Air pressure



HVLP 10 psi at the air cap
Conventional 50 - 65 psi at the gun

Gun setup

1.3 - 1.6 mm setup or equivalent

Dry Times

Air dry at 70°F (21°C)



10 - 15 minutes minimum, 24 hours maximum to clearcoat

Between coats



5 - 10 minutes

Clean Up

Clean spray guns, gun cups, storage pots, etc., thoroughly with MR Reducer, MS100 General Purpose Solvent or other appropriate clean up solvent after each use.

Follow EPA guidelines for proper storage and disposal of solvent-borne waste paint.

Properties

Dry film build per film coat

Applied (4:½:1) 0.75 - 1.25 mils

Properties

RTS Combinations:	MCV color (package)	MCV : M300 : MFA360	MCV : M300 : MFA360
Volume Ratio:	N/A	4 : 1/2 : 1	4 : 1 : 1
Applicable Use Category	Color Coating	Color Coating	Color Coating
VOC Actual (g/L)	349-367	347-359	359-371
VOC Actual (lbs/gal)	2.91-3.06	2.90-3.01	3.00-3.10
VOC Regulatory (less water less exempt) (g/L)	349-367	347-359	359-371
VOC Regulatory (less water less exempt) (lbs/gal)	2.91-3.06	2.90-3.01	3.00-3.10
Density (g/L)	1023-1188	1016-1136	1005-1116
Density (lbs/gal)	8.54-9.91	8.48-9.48	8.39-9.31
Volatiles wt. %	30.9-34.1	31.7-34.2	33.3-35.8
Water wt. %	0	0	0
Exempt wt. %	0	0	0
Water vol. %	0	0	0
Exempt vol. %	0	0	0
Solids vol. %	57.7-59.6	58.1-59.5	56.6-57.8
Sq Ft. Coverage / U.S.gal.	N/A	932-954	908-927

Limitations

Omni™ AU and Omni™ LV 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 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.

Medical Response:

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

Material Safety Data Sheet:

Material Data Safety Sheets for the PPG products mentioned in this publication are available through your PPG Omni Distributor.

For additional information regarding this product, see the MSDS and label information.

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 Distributor for the most up-to-date information.