# 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

<table>
<thead>
<tr>
<th>Color</th>
<th>MCV Acrylic Basecoat</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hardener</strong></td>
<td>MFA360 High Solids CV Hardener</td>
</tr>
<tr>
<td><strong>Basecoat Converter</strong></td>
<td>M300 Basecoat Maker</td>
</tr>
</tbody>
</table>

## 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

<table>
<thead>
<tr>
<th>MCV Basecoat</th>
<th>M300</th>
<th>MFA360</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>½ -1</td>
<td>1</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>RTS Combinations:</th>
<th>MCV color (package)</th>
<th>MCV: M300: MFA360</th>
<th>MCV: M300: MFA360</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume Ratio:</td>
<td>N/A</td>
<td>4:1/2:1</td>
<td>4:1:1</td>
</tr>
<tr>
<td>Applicable Use Category</td>
<td>Color Coating</td>
<td>Color Coating</td>
<td>Color Coating</td>
</tr>
<tr>
<td>VOC Actual (g/L)</td>
<td>349-367</td>
<td>347-359</td>
<td>359-371</td>
</tr>
<tr>
<td>VOC Actual (lbs/gal)</td>
<td>2.91-3.06</td>
<td>2.90-3.01</td>
<td>3.00-3.10</td>
</tr>
<tr>
<td>VOC Regulatory (less water less exempt) (g/L)</td>
<td>349-367</td>
<td>347-359</td>
<td>359-371</td>
</tr>
<tr>
<td>VOC Regulatory (less water less exempt) (lbs/gal)</td>
<td>2.91-3.06</td>
<td>2.90-3.01</td>
<td>3.00-3.10</td>
</tr>
<tr>
<td>Density (g/L)</td>
<td>1023-1188</td>
<td>1016-1136</td>
<td>1005-1116</td>
</tr>
<tr>
<td>Density (lbs/gal)</td>
<td>8.54-9.91</td>
<td>8.46-9.48</td>
<td>8.39-9.31</td>
</tr>
<tr>
<td>Volatiles wt. %</td>
<td>30.9-34.1</td>
<td>31.7-34.2</td>
<td>33.3-35.8</td>
</tr>
<tr>
<td>Water wt. %</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Exempt wt. %</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Water vol. %</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Exempt vol. %</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Solids vol. %</td>
<td>57.7-59.6</td>
<td>56.1-59.5</td>
<td>56.6-57.8</td>
</tr>
<tr>
<td>Sq Ft. Coverage / U.S. gal.</td>
<td>N/A</td>
<td>932-954</td>
<td>908-927</td>
</tr>
</tbody>
</table>

### 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.