# MBX 3.5 Basecoat

## Background
MBX is a fast drying, acrylic basecoat designed for today’s automotive collision centers. For VOC compliance, MBX must be top coated with a compliant Omni clear coat.

## MBX Acrylic Basecoat
**Color**
- MBX Acrylic Basecoat

**Reducer**
- MR294 Fast, MR295 Medium, MR296 Slow, MR297 Retarder

## Compatible Substrates
- Cured, cleaned & sanded OEM and refinish enamels
- Any compliant Omni primer including:
  - MP802 Multi-Purpose Primer
  - MP243 Polyester Primer

## Preparation
**Surface cleaning**
- SWX350 O So Clean
- SXA330 Wax and Grease Remover

**Sanding**
- 400 grit (machine or dry hand) or 500 grit (wet) on old finishes and primer surfacers

## Mixing
**Ratios**
- MBX : MR29X Reducer 1 : 1

**Tinting**
- MBX may be tinted up to 10% with OMNI™ AU mixing bases

**Additives**
- None

## Application
**Coats**
- 2 coats or until hiding

**Air pressure**
- HVLP: 7 - 10 psi at the air cap
- Conventional: 45 - 55 psi at the gun

**Gun setup**
- 1.3 - 1.5 mm or equivalent

## Dry Times
**Between coats**
- 5 - 10 minutes at 70°F (21°C)

**Air dry**
- Tape: 45 minutes
- Clear: 20 minutes minimum, 24 hours maximum at 70°F (21°C) to clearcoat

## Clean Up
- Clean equipment with General Purpose Solvent.

## Properties
### RTS Combinations:
- **MBX Color** (Package)
- **MBX : MR29X**

<table>
<thead>
<tr>
<th>Volume Ratio:</th>
<th>N/A</th>
<th>1 : 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicable Use Category</td>
<td>Color Coating</td>
<td>Color Coating</td>
</tr>
<tr>
<td>VOC Actual (g/L)</td>
<td>175 - 283</td>
<td>87 - 141</td>
</tr>
<tr>
<td>VOC Actual (lbs/gal)</td>
<td>1.46 - 2.36</td>
<td>0.73 - 1.18</td>
</tr>
<tr>
<td>VOC Regulatory (less water less exempt) (g/L)</td>
<td>338 - 417</td>
<td>338 - 417</td>
</tr>
<tr>
<td>VOC Regulatory (less water less exempt) (lbs/gal)</td>
<td>2.82 - 3.48</td>
<td>2.82 - 3.48</td>
</tr>
<tr>
<td>Density (g/L)</td>
<td>973 - 1191</td>
<td>1094 - 1267</td>
</tr>
<tr>
<td>Density (lbs/gal)</td>
<td>8.12 - 9.94</td>
<td>9.13 - 10.57</td>
</tr>
<tr>
<td>Volatiles wt. %</td>
<td>50.5 - 62.4</td>
<td>76.7 - 84.2</td>
</tr>
<tr>
<td>Water wt. %</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Exempt wt. %</td>
<td>29.9 - 44.6</td>
<td>68.4 - 76.3</td>
</tr>
<tr>
<td>Water vol. %</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Exempt vol. %</td>
<td>32.3 - 48.8</td>
<td>66.1 - 74.4</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.