GENERAL INFORMATION

MP-220 is a 2.1 VOC DTM non-isocyanate primer that is able to be used as a high build primer surfacer. It offers fast drying and is easy to sand. It has excellent adhesion and corrosion resistance that can be used directly on most substrates. MP-220 DTM Primer has both a standard build and high build mixing ratio.

1. COMPONENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP-220</td>
<td>Direct-to-Metal Primer</td>
</tr>
<tr>
<td>MA-220</td>
<td>Direct-to-Metal Activator</td>
</tr>
<tr>
<td>MBR Series</td>
<td>Low VOC Reducer</td>
</tr>
</tbody>
</table>

2. MIXING RATIO

**AS HIGH BUILD PRIMER SURFACER (4:1)**
- Mix four (4) parts MP-220 2.1 VOC DTM Primer with one (1) part MA-220.

**AS MEDIUM BUILD PRIMER SURFACER (4:1:1)**
- Mix four (4) parts MP-220 2.1 VOC DTM Primer with one (1) part MA-220 and one (1) part of MBR Series Reducer.

**AS PRIMER SEALER MIXING RATIO (4:1:2)**
- Mix four (4) parts MP-220 2.1 VOC DTM Primer with one (1) part MA-220 and two (2) part of MBR Series Reducer.

3. POT LIFE @ 77°F (25°C)

- Sprayable 30-60 minutes.

**NOTE:** Pot life will shorten as temperatures increase. Matrix System products are no recommended for use in temperatures below 65°F

4. CLEAN UP

- Clean equipment immediately after use (check local regulations)

5. ADDITIVES

- N/A

6. SURFACE PREPARATION AS PRIMER SURFACER

**Steel**
1. Clean panel with appropriate Matrix surface cleaner based on local regulatory compliance.
2. Final sand with P180 grit or finer.
3. Re-clean panel with appropriate Matrix surface cleaner based on local regulatory compliance.

**Aluminum**
1. Clean panel with MXW-9001 Low VOC Cleaner/Degreaser.
2. Final sand with P180 grit or finer.

**Fiberglass (Gel coated or SMC surface)**
1. Clean panel with appropriate Matrix surface cleaner based on local regulatory compliance.
2. Final sand with P180 grit or finer.
3. Re-clean panel with appropriate Matrix surface cleaner based on local regulatory compliance.

**Body Filler**
1. Body filler should be final sanded with P180 grit or finer.
2. Re-clean panel with appropriate Matrix surface cleaner based on local regulatory compliance.

**Existing OEM Finishes**
1. Clean panel with appropriate Matrix surface cleaner based on local regulatory compliance.
2. Sand the existing OEM finish with P180 grit or finer.
3. Re-clean panel with appropriate Matrix surface cleaner based on local regulatory compliance.
4. The MP-220 application should be kept within the sanded area of the existing finishes.

**OEM E-Coat**
1. Clean panel with appropriate Matrix surface cleaner based on local regulatory compliance.
2. Final sand with P180 grit or finer.
3. Re-clean panel with appropriate Matrix surface cleaner based on local regulatory compliance.

**SURFACE PREPARATION AS PRIMER SEALER**
1. Final sand area where sealer is to be applied with P400-P600 grit sandpaper.
2. Re-clean panel with appropriate Matrix surface cleaner based on local regulatory compliance.
3. Use of a lint-free tack cloth recommended before applying sealer.

7. TOPCOATS

- All Matrix Refinish 2K Sealers
- All Matrix Refinish Basecoats
- All Matrix Refinish 2K Single-Stage

8. TECH NOTES

- N/A

9. SUBSTRATES (Properly Prepared)

- Any Matrix System 2K Primer Surfacer
- Steel
- Aluminum
- Fiberglass
- Body Filler
- OEM E-Coat
- OEM Finishes
- Plastic & flexible substrates

10. APPLICATION AS A PRIMER SURFACER

- Apply 2-3 medium coats. Allow each coat to flash completely dull before applying next coat.

**Tech Tip:** Inadequate flash times may result in product failure including loss of adhesion, shrinkage, sand scratch swelling and pin hoiling.

**APPLICATION AS A PRIMER SEALER**

- Apply 1 full wet coat. (For bare metal areas two (2) coats are recommended to enhance corrosion resistance and improve adhesion properties)

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If used as instructed, this product is designed to comply with Volatile Organic Compound (VOC) Standards in low-VOC jurisdictions, for Automobile Refinish Coatings. Confirm compliance with state and local air quality rules before use. The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. Valspar assumes no obligation or liability for use of this information. **UNLESS VALSPAR AGREES OTHERWISE IN WRITING, VALSPAR MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. VALSPAR WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.** Your only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option.
11. FLASH / DRY TIMES

A properly flashed surface will appear dull and dry to touch. Times are approximate.

<table>
<thead>
<tr>
<th></th>
<th>AS PRIMER SURFACER</th>
<th>AS PRIMER SEALER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash (after 1st coat)</td>
<td>5-10 minutes</td>
<td>10-15 minutes or until completely dull</td>
</tr>
<tr>
<td>Flash (after 2nd coat)</td>
<td>5-10 minutes</td>
<td>10-15 minutes or until completely dull</td>
</tr>
<tr>
<td>To Sand</td>
<td>60-90 Minutes</td>
<td>N/A</td>
</tr>
<tr>
<td>To Topcoat</td>
<td>After Sanding</td>
<td>After complete flash</td>
</tr>
</tbody>
</table>

Force Drying @ 140°F (60°C)

<table>
<thead>
<tr>
<th></th>
<th>AS PRIMER SURFACER</th>
<th>AS PRIMER SEALER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purge Time</td>
<td>None</td>
<td>N/A</td>
</tr>
<tr>
<td>Bake Time</td>
<td>20 minutes</td>
<td>N/A</td>
</tr>
</tbody>
</table>

12. INFRARED CURE

• 6-8 minutes

*NOTE: For detailed curing information refer to equipment manufacturers recommendations.

13. SPRAY GUN SET UP

<table>
<thead>
<tr>
<th></th>
<th>AS PRIMER SURFACER</th>
<th>AS PRIMER SEALER</th>
</tr>
</thead>
<tbody>
<tr>
<td>HVLP/LVLP - Fluid Tip Size</td>
<td>1.6 mm - 1.8 mm</td>
<td>1.3 mm - 1.4 mm</td>
</tr>
</tbody>
</table>

Air Pressures

• Refer to spray gun manufacturer’s recommendations for regulatory compliance

14. PHYSICAL DATA

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>RTS REGULATORY DATA</td>
<td>4:1:2</td>
</tr>
<tr>
<td></td>
<td>LBS./GAL. g/L</td>
</tr>
<tr>
<td>Actual VOC</td>
<td>0.94 113</td>
</tr>
<tr>
<td>Regulatory VOC (less water and exempt solvents)</td>
<td>2.07 248</td>
</tr>
<tr>
<td>Density</td>
<td>12.02 1440</td>
</tr>
<tr>
<td>Total Solids Content</td>
<td>46.7 21.9</td>
</tr>
<tr>
<td>Total Volatile Content</td>
<td>53.3 78.2</td>
</tr>
<tr>
<td>Water</td>
<td>0 0</td>
</tr>
<tr>
<td>Exempt Compound Content</td>
<td>45.6 54.3</td>
</tr>
<tr>
<td>Coating Category</td>
<td>Primer</td>
</tr>
</tbody>
</table>

*NOTE: US Regulations allow for the use of exempt compounds for VOC calculations.