MP-220
DTM Primer - Grey 2.1 VOC

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
- MP-220 Direct-to-Metal Primer
- MA-220 Direct-to-Metal Activator
- MBR Series Low VOC Reducer

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.
3. Re-clean panel with MXW-9001 Low VOC Cleaner/Degreaser.

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 holing.

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)

Revised 27 March 2018

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11. FLASH / DRY TIMES

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

AIR DRY @ 77°F (25°C)

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

Force Drying @ 140°F (60°C)

	AS PRIMER SURFACER	AS PRIMER SEALER
Purge Time	None	N/A
Bake Time	20 minutes	N/A

12. INFRARED CURE

• 6-8 minutes

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

13. SPRAY GUN SET UP

	AS PRIMER SURFACER	AS PRIMER SEALER
HVLP/LVLP - Fluid Tip Size	1.6 mm - 1.8 mm	1.3 mm - 1.4 mm

AIR PRESSURES

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

14. PHYSICAL DATA

RTS REGULATORY DATA	4:1:2	
	LBS./GAL.	g/L
Actual VOC	0.94	113
Regulatory VOC (less water and exempt solvents)	2.07	248
Density	12.02	1440
	WT.%	VOL.%
Total Solids Content	46.7	21.9
Total Volatile Content	53.3	78.2
Water	0	0
Exempt Compound Content	45.6	54.3
Coating Category	Primer	

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

NOTES

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