



GENERAL INFORMATION

MP-231 DTM Primer Surfacer/Sealer is fast drying and easy to sand. MP-231 was formulated to provide excellent adhesion and corrosion resistance.



1. COMPONENTS

- MP-231 Direct-to-Metal Surfacer/Sealer White
- MA-232 Direct-to-Metal Activator
- MR-0960 Premium Urethane Reducer - Cool
- MR-0970 Premium Urethane Reducer - Medium
- MR-0985 Premium Urethane Reducer - Hot
- MR-0995 Premium Urethane Reducer - Very Hot



2. MIXING RATIO

AS A PRIMER SURFACER - 4:1:1 (by volume)

• Mix four (4) parts MP-231 DTM Primer to one (1) part MA-232 DTM Activator and reduce with one (1) part reducers listed above.

AS A PRIMER SEALER - 4:1:2 (by volume)

• Mix four (4) parts MP-231 DTM Primer to one (1) part MA-232 DTM Activator and reduce with two (2) parts reducers listed above.



3. POT LIFE @ 77°F (25°C)

• 2-3 Hours

NOTE: Pot life will shorten as temperatures increase. Matrix Edge™ System products are not recommended for use when panel temperature is below 60°F



4. CLEAN UP

• Clean equipment immediately after use (check local regulations)



5. ADDITIVES

• N/A



6. SURFACE PREPARATION

For best results pre clean objects to be painted before sanding. To "pre clean" an object to be painted wash thoroughly with soap and water, then, follow with MXW-9001 Low VOC Cleaner/Degreaser using clean paper towels.



Steel

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

Existing OEM Finishes

1. Clean panel with appropriate Matrix Edge surface cleaner based on local regulatory compliance.
2. If using as a primer surfacer, sand the existing OEM finish with P180 grit or finer. If using as a sealer, sand the existing OEM finish with P320 grit or finer.
3. Re-clean panel with appropriate Matrix Edge surface cleaner based on local regulatory compliance.
4. The MP-231 application should be kept within the sanded area of the existing finishes.

OEM E-Coat

1. Clean panel with appropriate Matrix Edge surface cleaner based on local regulatory compliance.
2. If using as a primer surfacer, final sand with P180 grit or finer. If using as a sealer, final sand with P320 grit or finer.
3. Re-clean panel with appropriate Matrix Edge surface cleaner based on local regulatory compliance.

7. TOPCOATS

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



8. TECH NOTES

• N/A



9. SUBSTRATES (Properly Prepared)

- Steel
- Aluminum
- Fiberglass
- Body filler
- Body filler
- OEM E-Coat
- OEM Finishes
- Plastic & flexible substrates



10. APPLICATION

AS A PRIMER SURFACER:

- Spray one (1) to three (3) medium wet coats.

AS A PRIMER SEALER:

- Spray one (1) to two (2) medium wet coats.
- Allow each coat to flash completely dull before applying next coat.



11. FLASH / DRY TIMES

AIR DRY @ 77°F (25°C)	As Primer Surfacer	As Primer Sealer
Flash Time	10-15 Minutes	5-10 Minutes
To Sand	60-90 Minutes	Nib Sand 20 Minutes
To Topcoat	30 Minutes	20-30 Minutes
To Topcoat Without Sanding	N/A	8 Hours Max

If used as instructed, this product is designed to comply with the US National Volatile Organic Compound (VOC) Emission Standard 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.



MP-231

Direct-To-Metal Primer Surfacer/Sealer - White - National Rule



12. INFRARED CURE

• N/A

NOTES



13. SPRAY GUN SET UP

Conventional Gun	
Gravity Feed (as a primer surfacer)	1.4mm - 1.8mm
Gravity Feed (as a sealer)	1.3mm - 1.4mm
HVLP	
Gravity Feed (as a primer surfacer)	1.4mm - 1.8mm
Gravity Feed (as a sealer)	1.3mm - 1.4mm

Air Pressures (@ the gun)	
Conventional Gun	
Gravity Feed	20-29psi (1.5-2.0 bar)
HVLP	
Gravity Feed	20-29psi (1.5-2.0 bar)
See spray gun manufacturer	



14. PHYSICAL DATA

RTS REGULATORY DATA	4:1:1	
	LBS./GAL.	g/L
Actual VOC	3.0 Max	360 Max
Regulatory VOC (less water and exempt solvents)	3.5 Max	420 Max
Density	10-12	1200-1440
	WT. %	VOL. %
Total Solids Content	55-65	40-50
Total Volatile Content	35-45	50-60
Water	0	0
Exempt Compound Content	15-25	15-25
Coating Category	Primer Surfacer	

RTS REGULATORY DATA	4:1:2	
	LBS./GAL.	g/L
Actual VOC	3.9 Max	470 Max
Regulatory VOC (less water and exempt solvents)	4.6 Max	550 Max
Density	10-12	1200-1440
	WT. %	VOL. %
Total Solids Content	50-60	30-40
Total Volatile Content	40-50	60-70
Water	0	0
Exempt Compound Content	15-25	15-25
Coating Category	Primer Sealer	

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

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