

# Lightning™ Primer Surfacer - Grey



## GENERAL INFORMATION

MP4-2K Lightning Primer Surfacer uses an Isocyanate free 2K technology that is designed for production oriented facilities. As a direct to metal primer surfacer, MP4-2K offers excellent corrosion protection and adhesion on small repairs, or for bare metal areas where sandthroughs occur.



## 1. COMPONENTS

- MP4-2K Lightning Primer Surfacer
- MA4-2K Lightning Activator



## 2. MIXING RATIO (4:1)

- Mix four (4) parts MP4-2K Lightning Primer Surfacer with one (1) part of MA4-2K Activator.



## 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

Adding additional materials to a ready to spray product will increase the V.O.C as applied. Check mixture and local regulations to assure compliance.

- **Accelerator:** Not Recommended
- **Retarder:** Not Recommended
- **Fisheye:** Not Recommended
- **Flattening:** Not Recommended
- **Flex Additive:** Not Recommended



## 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 MX-9000 Pre-Prep Wax & Grease Remover using clean paper towels.

### 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 MP4-2K 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.

## 7. TOPCOATS

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



## 8. TECH NOTES

- Use of Matrix 2K sealer will provide improved color holdout.
- Application of large repair areas is not recommended due to rapid cure rate of MP4-2K



## 9. SUBSTRATES (Properly Prepared)

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



## 10. APPLICATION

- 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.



## 11. FLASH / DRY TIMES

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

### AIR DRY @ 77°F (25°C)

Flash (after 1st coat)	5-7 minutes or until dull
Flash (after 2nd coat)	5-7 minutes or until dull
To Sand	45-60 minutes
To Topcoat	After sanding within 24 hours*

\*Tech Tip: Higher film build applications will often require extended flash times.

### Force Drying @ 140°F (60°C)

Not Recommended



## 12. INFRARED CURE

- 6-8 minutes

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



## 13. SPRAY GUN SET UP

HVLP/LVLP - Fluid Tip Size	1.4 mm - 1.7 mm
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### AIR PRESSURES

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



## 14. PHYSICAL DATA

RTS REGULATORY DATA	4:1	
	LBS./GAL.	g/L
Actual VOC	4.43	531
Regulatory VOC (less water and exempt solvents)	4.43	531
Density	11.32	1356
	WT.%	VOL.%
Total Solids Content	60.9	38.6
Total Volatile Content	39.1	61.4
Water	0	0
Exempt Compound Content	0	0
Coating Category	Primer Surfacer	

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

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.