



## GENERAL INFORMATION

Matrix MP-460 Grey and MP-470 Black 2.1 VOC Epoxy Primers provide excellent adhesion and corrosion resistance to properly prepare metal, fiberglass and aluminum substrates as well as plastic body fillers. 2.1 VOC Epoxy Primers feature an easy-to-use 1:1 mixing ratio and may be topcoated with Matrix 2K Primer Sealer, Matrix Single Stage and Matrix Basecoat/Clearcoat.



### 1. COMPONENTS

- MP-460 2.1 VOC Epoxy Primer (Grey)
- MP-470 2.1 VOC Epoxy Primer (Black)
- MAV-465 Epoxy Activator



### 2. MIXING RATIO (1:1)

- Mix one (1) part MP-460 or 470 2.1 VOC Epoxy Primer with one (1) part of MAV-465 Epoxy Activator.
- \* Grey Shade Mixing Ratio chart in section 14.



### 3. POT LIFE @ 72°F (22°C)

- 12 hours
- \*NOTE: Pot life will shorten as temperatures increase. Matrix System products are not recommended for use in temperatures below 65°F



### 4. CLEAN UP

- Clean equipment immediately after use (check local regulations)



### 5. SURFACE PREPARATION

- Clean and dry the surface. Sand surface with P120-P180 grit abrasive. Remove all sanding debris with appropriate surface cleaner according to local regulations. Wipe completely dry with a clean lint free cloth.



### 6. TOPCOATS

- When dry, topcoat with:
- Matrix 2K Urethane Primers
  - Matrix Basecoat/Clearcoat
  - Matrix 2K Sealers
  - Matrix Single Stage



### 7. TECH NOTES

- N/A



### 8. SUBSTRATES (Properly Prepared)

- Steel
- Aluminum
- Galvanized Steel
- SMC
- Fiberglass
- Polycarbonate
- Body Fillers
- ABS
- Cured and sanded OE finishes



### 9. APPLICATION

- Apply 2-3 single coats (approx. 1.0-1.5 mil.)
- Allow 10-20 minutes flash time between coats.
- \*NOTE: DO NOT apply MP-460 or MP-470 over Etch Primer

### 10. RECOAT

- Top coat within 48 hours. If time exceeds 48 hours the primer must be sanded and cleaned prior to application of additional primer or top coat.

### 11. SANDING

- Dry & DA: P400-P600
- Water Sanding: P500-P600



### 12. FLASH / DRY TIMES

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

Flash	10-20 minutes
Air Dry	1-2 hours
Baking	30 minutes @ metal temp. of 140°F/60°C
Short Wave	10 minutes
Sanding	12 hours

\*NOTE: Single layer applications can be topcoated directly after flash of 15-30 minutes up to 6 hours, after which sanding is required. Two layer applications must be sanded prior to topcoating.



### 13. SPRAY GUN SET UP

High Efficiency	1.4 mm - 1.6 mm
HVLP	1.4 mm - 1.5 mm

### AIR PRESSURES

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



### 14. PHYSICAL DATA

RTS REGULATORY DATA	1:1	
	LBS./GAL.	g/L
Actual VOC	0.94 max	112 max
Regulatory VOC (less water and exempt solvents)	1.96 max	235 max
Density	11.1 - 11.5	1330-1380
	WT. %	VOL. %
Total Solids Content	42-45	34-36
Total Volatile Content	55-58	65-66
Water	0	0
Exempt Compound Content	47-49	51-52
Coating Category	Primer	

Code	Description	Grey Shade					
		GS-1	GS-2	GS-3	GS-4	GS-5	GS-6
MP-460	Grey Epoxy	1 Part	4 Parts	3 Parts	2 Parts	1 Part	0 Parts
MP-470	Black Epoxy	0 Parts	1 Part	1 Part	1 Part	1 Part	1 Part

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. 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.