

# MP-EPOXY PRIMERS



## Technical Data Sheet

Painters Hotline 800.735.0303

### PRODUCT NUMBER

MP-400  
MP-450  
MP-480  
MP-900

### DESCRIPTION

EPOXY PRIMER - GREEN/GREY  
EPOXY PRIMER - WHITE  
EPOXY PRIMER - GREY  
EPOXY PRIMER - BLACK

### HARDENERS

MAV-420

### DESCRIPTION

LOW VOC EPOXY ACTIVATOR

### REDUCERS

MR-0860  
MR-0870  
MR-0885  
MR-0895  
MR-0898

### DESCRIPTION

PREMIUM URETHANE REDUCER - COOL TEMP  
PREMIUM URETHANE REDUCER - MEDIUM TEMP  
PREMIUM URETHANE REDUCER - WARM TEMP  
PREMIUM URETHANE REDUCER - HOT TEMP  
PREMIUM URETHANE REDUCER - EXTREME TEMP

### DESCRIPTION

MP-Epoxy Primers provide maximum protection and adhesion to bare metal surfaces. Used as a primer or sealer, these products are always recommended when you must have the best and longest lasting finish possible. MP-Epoxy Primers give medium fill build to help eliminate imperfections and can be lightly sanded.

### SURFACE PREP

1. Wash area thoroughly with soap and water to remove contaminants that solvent based cleaners cannot remove effectively.
  2. Clean repair area with MX-9000 Pre-Prep Wax & Grease Remover or MXW-9001 Zero VOC Cleaner/Degreaser where VOC regulations require use.
  3. Completely sand surface with 180-220 grit paper and re-clean with MX-8000 Pre-Paint Wax & Grease Remover or MXW-9001 Zero VOC Cleaner/Degreaser where VOC regulations require use.
  4. Aluminum and stainless steel MUST be sanded with 150-220 grit sandpaper even if a metal prep or self etching primer is used. Prime aluminum and stainless steel within 72 hours, and prime bare steel immediately after cleaning with MP-Epoxy Primer.
- \* For maximum adhesion and corrosion resistance, treat bare steel with MP-550 Self Etching Primer or MP-600 Self Etching Wash Primer.

PRIMER

### **MIXING RATIO (PRIMER @ 4.8 lbs/gal VOC)**

Mix 4 parts MP-Epoxy Primer to 1 part MAV-420 Low VOC Activator to 1/2 part MR-0800 Series Reducer.

### **MIXING RATIO (PRIMER SEALER @ 4.6 lbs/gal VOC)**

Mix 4 parts MP-Epoxy Primer to 1 part MAV-420 Low VOC Activator.

**NOTE:** Must allow overnight dry before topcoating.

### **INDUCTION**

A 5 minute mechanical agitation and a **30 minute induction period is mandatory** before spraying.

### **APPLICATION**

Apply 1-2 full wet coats at 40-50 psi at the gun or 5-10 psi at cap when using a HVLP allowing a 5 minute flash between coats.

### **DRY TIMES AT 77° F**

When applying 1 coat of 4.8 VOC primer, allow 1 hour dry time before applying additional primer, topcoats. Allow coating to dry overnight before applying body filler.

**NOTE:** When applying 2 wet coats of 4.8 VOC primer, allow an overnight dry before recoating.

**NOTE:** When applying 4.6 VOC primer sealer, allow overnight dry before recoating or applying body filler.

### **FISHEYE AND ADDITIVES**

Do not use any fisheye eliminator or any other additive in Matrix System Epoxy Primers.

### **EQUIPMENT CLEAN-UP**

Clean equipment immediately after use with MX-110 Gun Wash or a high quality lacquer thinner.

## **TECHNICAL DATA**

Color:	*MP-400 Green/Grey MP-450 White MP-480 Grey *MP-900 Black
Primer (4.8 VOC Primer):	4 parts MP-Series Epoxy Primer
Hardener:	1 part MAV-420
Reducers:	1/2 part MR-0800 Series
Primer (4.6 VOC Primer Sealer):	4 part MP-Series Epoxy Primer
Activator:	1 part MAV-420
Induction Period:	30 minutes
Flex Additive:	Not required
Viscosity:	20-25 seconds #2 Zahn
Weight Solids (RTS):	48-53%
Film Build:	1.0 to 1.2 mil per coat
Coverage:	442 sq. ft. per RTS gallon @ 1 dry mil
Dry Times:	Topcoat: 60 minutes with 1 coat of primer Topcoat: overnight with 1 coat of primer sealer
Pot Life:	5 Hours
VOC:	4.6 - 4.8 lbs/gal
Disposal/Safety:	See MSDS for this product
Humidity Resistance:	Excellent
Salt Spray Resistance	Excellent
* Contain chromated pigments	

**NOTE: Matrix Systems products are not recommended for use in temperatures below 60° F. Use below these temperatures will effect dry times and performance.**

**FOR INDUSTRY USE ONLY**

**Read MSDS Before Use**

The contents of the package must be blended with other components before the product can be used. Any mixture of components will have hazards of all components. Before opening the packages, read all warning labels. Follow all precautions.

The material is designed for application only by professionally trained personnel using proper equipment under controlled conditions, and is not intended for sale to the general public.

**SEE MSDS AND PRODUCT LABELS FOR ADDITIONAL SAFETY INFORMATION.**

***Put it to the test!***  
**[www.matrixsystem.com](http://www.matrixsystem.com)**