

MP-EPOXY

EPOXY PRIMER

Technical Data Sheet

Technical 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

ACTIVATOR

MAV-420

DESCRIPTION

LOW VOC EPOXY PRIMER 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 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 film build to help eliminate imperfections and can be lightly sanded.

COMPATIBLE SUBSTRATES

- *OEM FINISHES*
- *GALVANIZED STEEL**
- *BARE METAL**
- *ALUMINUM**
- *FIBERGLASS*
- *E-COAT*

**Tech Tip:* Compatible substrates are required to be properly cleaned, sanded and treated prior to applying any primer surfacer. To obtain maximum performance always treat bare metal with a quality metal conditioning system or prime with Matrix MP4-2K, MP-550 or MP-600.

SURFACE PREPARATION



1. Wash area thoroughly with soap and water to remove contaminants that solvent based cleaners cannot remove effectively.
2. Clean repair area with Matrix MX-9000 Pre-Prep Wax & Grease Remover or MXW-9001 where VOC regulations require use.

SURFACE PREPARATION CONT'D



3. Completely sand surface with 180-220 grit sandpaper or equivalent and repeat step 2.
4. Apply Matrix System Primer/Sealer.

***Tech Tip:** The use of clean, lint free rags is encouraged in the cleaning process to minimize the likelihood of contamination to the substrate materials.

MIXING RATIO



(Primer @ 4.8 lbs/gal VOC)
MP-400*,450,480,900* : MAV-420 : MR-0800 SERIES
4 Parts : 1 Part : 1/2 Part



(Primer Sealer @ 4.6 lbs/gal VOC)
MP-400*,450,480,900* : MAV-420
4 Parts : 1 Part

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

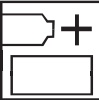
POT LIFE



<u>Hardener</u>	<u>Time</u>	<u>Temp</u>
MAV-420	5 Hours	77°F

***Tech Tip:** Pot life will shorten as temperatures increase. Matrix System products are not recommended for use in temperatures below 65° F.

ADDITIVES



ACCELERATOR
Do not use accelerator in this product.



FISH EYE
Do not use fish eye eliminator in this product.

APPLICATION



Apply 1-2 full wet coats with a 10-15 minute flash time between each coat. Use 40-50 psi at the gun or 5-10 psi at the cap when using HVLP.

***Tech Tip:** When applying 1 coat of primer allow 1 hour dry time before applying additional topcoats, when applying **2 coats of primer allow an overnight dry before recoating**. When applying a primer sealer allow overnight dry before recoating or applying body filler.



<u>GUN TYPE</u>	<u>HVLP</u>	<u>Conventional</u>
<u>SIZE</u>	1.3 - 1.7mm	1.3 - 1.7mm
<u>PSI</u>	5 - 10 at Air cap	40 - 50 at Gun

PAINTING FLEXIBLE PARTS

Use MP-Epoxy as a sealer; use MAV-420 on any flexible parts before topcoating.

DRY & FLASH TIME INFORMATION



DRY TIMES AT 77° F

FLASH TIME 10-15 MINUTES
TO TOPCOAT 1 COAT - 1 HOUR
2 COATS - OVERNIGHT

**Tech Tip:* Refer to application instructions for recommended dry times.

REPAIRING & RECOATING



MP-Epoxy may be recoated after a overnight dry at 77°F.

EQUIPMENT CLEANUP



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

TECHNICAL DATA

Color:	Green/Grey, White, Grey, Black
Primer:	4 parts MP-400*, 450, 480, 900*
Hardener:	1 part MAV-420
Reducers:	MR-0800 Series (Primer)
Weight Solids (RTS):	48 - 53%
Film Build:	1.0 - 1.2 dry mils per full wet coat
Coverage:	442 sq. ft. per gallon at 1 dry mil
V.O.C. (RTS):	4.6 - 4.8 lbs/gal
Disposal/Safety:	see MSDS for this product
Lead/Chromate:	"" Contains chromated pigments
Humidity Resistance:	Excellent
Salt Spray Resistance:	Excellent
MSDS Reference #	MX-SD2

NOTE: MP-400 and MP-900 contain chromated pigments.

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.

NOTE: Matrix Systems products are not recommended for use in temperatures below 65°F. Use below these temperatures will effect dry times and performance.

Put it to the test!
www.matrixsystem.com