

# MPB-500 MSB-500

## COLOR BLENDER

### Technical Data Sheet

Technical Hotline 800.735.0303

### PRODUCT NUMBER

MPB-500  
MSB-500

### DESCRIPTION

COLOR BLENDER  
COLOR BLENDER

### HARDENERS

MX-57

### DESCRIPTION

BASECOAT ACTIVATOR

### REDUCERS

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

### DESCRIPTION

FAST REDUCER (60°-75° F)  
MEDIUM REDUCER (70°-85° F)  
SLOW REDUCER (85°-90° F)  
VERY SLOW REDUCER (90°-95° F)

### DESCRIPTION

MPB-500 and MSB-500 Color Blenders are intended for use as tools for the blending of intermix and basecoat colors, tri-coat pearls, and light or hard to control metallics. MPB-500 and MSB-500 may also be used as fast drying cut-in clears for MPB and MSB colors in areas **NOT** exposed to direct sunlight.

### COMPATIBLE BASECOATS/TOPCOATS

- MPB
- DBU®
- CHROMAPREMIER®
- GLASURIT 55®
- MSB
- DBC®
- CHROMABASE®
- LIMCO SUPREME®
- MAU\*
- DAU®\*
- Ultra 7000®
- MCU\*

*\*Tech Tip:* For clearcoat integration technique refer to specific manufacturers single stage finish technical data sheet.

### SURFACE PREPARATION



1. Allow the final coat of basecoat to dry 20 minutes prior to applying MPB, MSB-500.
2. Use a tack cloth to remove any surface contaminants that may have settled on the basecoat color.
3. Apply MPB, MSB-500 according to the application instructions.

*\*Tech Tip:* Extend basecoat dry time to 30 minutes when applying several base color coats, tri coat colors, multiple graphic overlays, or in cooler shop conditions.

**MIXING RATIO (ALL USES)**



**MPB, MSB-500** : **MR-0800 REDUCERS**  
 1 Parts : 1 Part

*\*Tech Tip:* **MX-57** may be used to catalyze MPB, MSB-500 to provide a more durable coating when used as a “cut in” or “intercoat clear”. MX-57 is not required when MPB, MSB-500 is used as a color blender.

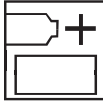
**POT LIFE**



<u>Hardener</u> MX-57	<u>Time</u> 1-2 Hours	<u>Temp</u> 77°F
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*\*Tech Tip:* There is no Pot Life for MPB-500 when MX-57 is not used. Pot life will shorten as temperatures increase. Matrix System products are not recommended for use in temperatures below 65° F.

**ADDITIVES**



**ACCELERATOR**  
 The use of accelerators is not recommended with this product.

*\*Tech Tip:* Only use MX-57 with MPB,MSB-500 no other additives are needed.



**FISH EYE**  
 The use of fish eye eliminator is not recommended with this product.

**APPLICATION**



Adjust air pressure at the gun to 40-50 psi for Gravity or Siphon Feed application or 6-10 PSI at the cap for HVLP.

**WHEN USING AS A COLOR BLENDER**

Apply 1-2 light to medium coats of the color blender onto the blend area, extending each coat a little further each time. Allow a 10 minute dry time between coats. Allow 15-30 minutes dry time at 70° F before clearcoating with appropriate Matrix clears.

**WHEN USING AS A “LOCK DOWN” CLEAR**

Spray 1 light to medium coat of reduced MPB-500 or MSB-500 with no color added (before or after MPB or MSB color application), to lock down the metallic or pearl color prior to clearcoat application. Avoid thick films, do not use this “lock down” technique when there are already more than 3 coats of MPB or MSB color. Allow 15-30 minutes dry time at 77° F before clearcoating with appropriate Matrix clears.

## APPLICATION CONT'D



### **WHEN USING AS A FAST CUT-IN CLEAR**

Let the MPB or MSB color dry 10-20 minutes then apply 2-3 coats of reduced MPB-500 or MSB-500. Allow 10 minutes dry time between coats.

**Do not use as a fast cut-in clear in areas that will be exposed to direct sunlight.**

Apply 2-3 full wet coats at 40-50 psi or (6-10 psi when using HVLP at the aircap), allowing a 10-15 minute flash time between coats.



<b><i>GUN TYPE</i></b>	<b><i>HVLP</i></b>	<b><i>Conventional</i></b>
<b><i>SIZE</i></b>	1.3 - 1.7 mm	1.3 - 1.7 mm
<b><i>PSI</i></b>	6 - 10 at Aircap	40 - 50 at Gun

### ***PAINTING FLEXIBLE PARTS***

A flexible additive is not recommended in this product.

## DRY & FLASH TIME INFORMATION



### ***DRY TIMES AT 77° F***

		<b><i>MX-57</i></b>
FLASH TIME	15 MINUTES	15 MINUTES
TO SAND	15 MINUTES	15 MINUTES
TO TAPE	45 MINUTES	45 MINUTES



### ***FORCE DRYING AT 140° F***

PURGE TIME	15 MINUTES
BAKE TIME AT 140°F	30 MINUTES

## EQUIPMENT CLEANUP



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

## TECHNICAL DATA

Clear:	1 parts MPB, MSB-500
Reducers:	1 Part MR-0800 Series
Hardeners:	1.5 oz per RTS qt.
Viscosity (RTS):	18 - 20 seconds #2 Zahn
Weight Solids (RTS):	9 - 12%
Film Build:	0.4 - 0.5 mils per full wet coat
Coverage:	144-192 sq. ft. per gallon @ 1 dry mil

V.O.C. as Delivered:	Regulatory VOC in LBS./GAL.	Regulatory VOC in G./L.	Material VOC in LBS./GAL.	Material VOC in G./L.
MPB-500	5.8	696	5.3	631
MSB-500	5.1	615	4.4	531
MR-0860	6.7	801	3.0	359
MR-0870	7.0	839	7.0	839
MR-0885	7.2	868	7.2	868
MR-0895	7.3	879	7.3	879
MX-57	2.3	281	2.3	281
<b>V.O.C. (RTS):</b>				
MPB-500/MR-0860	6.1	731	4.1	495
MPB-500/MR-0870	6.4	771	6.1	735
MPB-500/MR-0885	6.6	786	6.3	749
MPB-500/MR-0895	6.6	792	6.3	755
MPB-500/MR-0860/MX-57	5.9	702	4.1	485
MPB-500/MR-0870/MX-57	6.2	748	6.0	714
MPB-500/MR-0885/MX-57	6.4	762	6.1	728
MPB-500/MR-0895/MX-57	6.4	768	6.1	733
MSB-500/MR-0860	5.7	679	3.7	445
MSB-500/MR-0870	6.1	735	5.7	685
MSB-500/MR-0885	6.3	751	5.8	699
MSB-500/MR-0895	6.3	757	5.9	705
MSB-500/MR-0860/MX-57	5.4	652	3.7	438
MSB-500/MR-0870/MX-57	6.0	714	5.6	667
MSB-500/MR-0885/MX-57	6.1	728	5.7	681
MSB-500/MR-0895/MX-57	6.1	734	5.7	686

Disposal/Safety:	see MSDS for this product
Humidity Resistance:	Excellent
Salt Spray Resistance	Excellent
MSDS Reference #	MX-SD4

**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**

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**COLOR BLENDER**