

MPB-500LV

LOW VOC COLOR BLENDER

Technical Data Sheet

Technical Hotline 800.735.0303

PRODUCT NUMBER

MPB-500LV

DESCRIPTION

LOW VOC COLOR BLENDER

HARDENERS

MX-57

DESCRIPTION

BASECOAT ACTIVATOR

REDUCERS

MBR-200

DESCRIPTION

LOW VOC BASECOAT REDUCER - MEDIUM

DESCRIPTION

MPB-500LV Low Voc Color Blender is intended for use as tools for the blending of intermix and basecoat (color coating) colors, tri-coat pearls, and light or hard to control metallics. MPB-500LV may also be used as fast drying cut-in clears for MPB-LV and MSB-LV colors in areas **NOT** exposed to direct sunlight. MPB-LV is classified in the CARB SCM Uniform Finishing Coating category.

COMPATIBLE BASECOATS/TOPCOATS

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

***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 (color coating) to dry 20 minutes prior to applying MPB-500LV.
2. Use a tack cloth to remove any surface contaminants that may have settled on the basecoat (color coating) color.
3. Apply MPB-500LV 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-500LV
1 Part

:

MBR-200
1 Part

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

POT LIFE



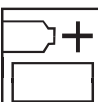
Hardener
MX-57

Time
1-2 Hours

Temp
77°F

***Tech Tip:** There is no Pot Life for MPB-500LV 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-500LV 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-LV or MSB-LV 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-LV or MSB-LV 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-LV or MSB-LV color dry 10-20 minutes then apply 2-3 coats of reduced MPB-500LV. 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.



GUN TYPE	<u>HVLP</u>	<u>Conventional</u>
SIZE	1.3 - 1.7 mm	1.3 - 1.7 mm
PSI	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

		<u>MX-57</u>
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 a compliant gun wash.

TECHNICAL DATA

Color Blender: 1 parts MPB-500LV
Reducer: 1 Part MBR-200
Hardeners: 1.5 oz per RTS qt.
Viscosity (RTS): 18 - 20 seconds #2 Zahn
Weight Solids (RTS): 10 - 13%
Film Build: 0.4 - 0.5 mils per full wet coat
Coverage: 163-203 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-500LV	3.4	407	1.2	144
MBR-200	7.8	938	0.1	12
MX-57	2.3	281	2.3	281
V.O.C. (RTS):				
MPB-500LV/MBR-200	3.5	425	0.6	78
MPB-500LV/MBR-200/ MX-57	3.3	395	0.7	87

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