

# MSB-LV

## MATRIX SYSTEM BASECOAT WITH MT-95LV

### Technical Data Sheet

Technical Hotline 800.735.0303

### PRODUCT NUMBER

MSB-LV  
MT-95LV

### DESCRIPTION

LOW VOC MATRIX SYSTEM BASECOAT  
CONVERSION BINDER

### REDUCERS

MBR-100  
MBR-200  
MBR-300  
MBR-400

### DESCRIPTION

LOW VOC BASECOAT REDUCER - FAST  
LOW VOC BASECOAT REDUCER - MEDIUM  
LOW VOC BASECOAT REDUCER - SLOW  
LOW VOC BASECOAT REDUCER - EXTRA SLOW

### DESCRIPTION

Matrix System Basecoat (MSB-LV) was formulated to reproduce the color and appearance of the OEM coating applied to your vehicle at the factory. Matrix System Basecoat (MSB-LV) may be used for spot, panel or overall repairs.

### COMPATIBLE SUBSTRATES

- MP-120 SERIES SEALERS®
- MP-EPOXIES
- OEM FINISHES\*
- MP-35 SEALER
- 2KPB PRIMER
- MP-2K PRIMER
- MP3-HS PRIMER
- MP4-2K DTM PRIMER
- MP-850 SEALER
- PPG® V-SEAL®
- PPG® DPLF® EPOXIES
- DuPont® VALUESHADE®

*\*Tech Tip:* Proper sanding and cleaning is required to insure the best possible results are obtained.

### SURFACE PREPARATION

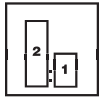


1. Finish sand repair areas with 400-600 grit or equivalent.
2. Clean repair areas with MX-8000 Pre Paint Cleaner or MXW-9001 where VOC regulations require its use. Wipe off any MXW-9001 residue with a clean damp cloth.
3. Use a tack cloth to remove any surface contaminants that may have settled on the repaired areas prior to paint application.
4. Apply MSB-LV Basecoat.

*\*Tech Tip:* For maximum product performance seal repaired area with a sealer shade that will enhance the basecoat colors hiding capabilities or a color shade that closely resembles the basecoat color the vehicle will be.

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

## MIXING RATIO



MSB-LV : MBR-100/200/300/400  
2 Parts : 1 Part

**NOTE:** To maintain VOC compliance, amount of MT-95LV will vary with each formula. Coverage and flash times may be affected. Sprayouts are required to determine these characteristics with each individual color.

## POT LIFE

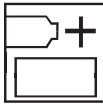


MSB-LV

Time  
INDEFINITE

Temp  
N/A

## ADDITIVES



### **ACCELERATOR**

Accelerator is not recommended for use in this product.



### **FISH EYE ELIMINATOR**

Fish Eye Eliminator is not recommended for use in this product.

## APPLICATION



Apply 2-3 medium wet coats or until hiding is achieved at 35-45 psi or (8-10 psi when using HVLP at the aircap), allowing a 10-15 minute flash time between coats. Allow the final coat of MSB-LV to dry 15-30 minutes at 77° F. before applying clearcoat. Do not allow to dry longer than 24 hours without clearcoating or MSB-LV must be lightly scuffed and a additional coat of MSB-LV basecoat must be applied.

**Note:** Basecoat colors are designed to dry to a low gloss. This makes color match and its approval difficult to see until the clearcoat is applied.

***A good technique to ensure color match and/or blendability is to spray the basecoat and clearcoat on a small test panel before doing the actual repair. Color match cannot be fully determined without clearcoating the test panel.***



**GUN TYPE**  
**SIZE**  
**PSI**

**HVLP**  
1.3 - 1.5 mm  
8 - 10 at Aircap

**Conventional**  
1.3 - 1.5 mm  
35 - 45 at Gun

**\*Tech Tip:** When blending MSB-LV color extend each coat out past the previous coat graduating the color out from the repair area until an undetectable blend has been achieved.

## TAPE TIME

Tape time on MSB-LV is 35-45 minutes at 77° F.

## REPAIRING & RECOATING



MSB-LV may be recoated after 15-30 minutes or up to 24 hours at 77°F with itself, it may be scuffed after 30 minutes at 77°F if necessary. After 24 hours depending on temperature/humidity, MSB-LV must be lightly scuffed and a additional coat of MSB-LV basecoat must be applied to restore color uniformity.

## CLEARCOAT

All Matrix clearcoats may be used over MSB-LV Series Basecoats.

## EQUIPMENT CLEANUP



Clean equipment immediately after use with MX-110 Gun Wash, or a high quality lacquer thinner, or compliant solvent depending on area regulations.

## TECHNICAL DATA

Mixing Ratio:	2:1
Viscosity #2 Zahn (RTS):	15 - 18 seconds
Film Build per coat:	0.4 - 0.6 mils
Pot Life:	None, mix thoroughly
Coverage (Depending on color):	190-275 sq. ft.
Dust Free:	10 minutes
Tack Free:	15 minutes
Tape Time:	35-45 minutes
V.O.C. (RTS):	3.5 lbs/gal or less
Disposal/Safety:	See MSDS for this product

**NOTE:** Matrix System 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.**

**THIS PRODUCT WHEN USED WITH MSB GRADE TONERS AND MBR-100 MEETS SCAQMD 1151 DEFINITION OF A COLOR COATING.**

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