

RB-LV Intermix



Refinish Solutions Low VOC BASECOAT

Technical Data Sheet
Technical Hotline: 800.612.6567

DESCRIPTION

Refinish Solutions Low VOC Basecoat (RB-LV) offers over 25,000 primary, tricoats, and variance color formulas. This basecoat system provides great color match with fast and easy application.

QUICK REFERENCE

- What:** RB-LV Matrix Standard Low VOC Basecoat solvent borne basecoat.
Mix: Mixed color - 1:1 with MBR Series Reducers
Application: 2 - 3 coats until hiding and/or sprayout indicates.
Time: 15 - 30 minutes to clearcoat under normal conditions.
Recoat: Refinish Solutions clearcoats, or itself, within 24 hours or sand and recoat.

REQUIRED COMPONENTS

<u>Product</u>	<u>Description</u>	
RB-LV Mixed Color	Refinish Solutions Standard Basecoat	
<u>Reducer</u>		
MBR-100	Low Temps/Small Job	up to 70° F
MBR-200	Medium Temp/Medium Job	70° - 80° F
MBR-300	High Temp/Large Job	80° - 90° F
MBR-400	High Temp/Large Job	90° F and above

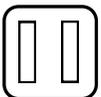
COMPATIBLE SUBSTRATES

Refinish Solutions Primers and Sealers



PREPARATION

Refinish Solutions brand primer surfacers should be sanded with P320-P400 dry or P600-P800 wet. Existing OEM finishes should be sanded with P320-P400 dry or P600-P800 wet. Color fade out/blend areas should be thoroughly abraded with a grey scuff pad (3M 7448 or equal). Non sanding options such as MP-Series Epoxy Primers, MP-800 Plastic Adhesion promoter, and MP series sealers should be completely flashed, per recoat times for those products. All sanded surfaces should be cleaned well with MXW-9001 Low VOC cleaner/degreaser, as regulated in your area.



MIXING RATIO

RB-LV COLOR: 1 part RB - LV color to 1 part MBR-Series Reducers for metallic and pearl colors.

Optional

RB-LV COLOR: 1 part RB-LV color to 1 part Matrix MBR-Series Reducer + 5% MX-57 Basecoat Activator when using RB-LV as a mid coat or for multi layer paint effects.

Note: 5% can be approximated by using one of the following methods:

1. Use 1-2 capfuls of MX-57 Basecoat Activator per ready to spray quart.
2. Add 1.5 oz of MX-57 Basecoat Activator to each ready to spray quart.

BASECOAT



ADDITIVES

Adding additional materials to a ready to spray product will increase the V.O.C as applied. Check mixture and local regulations to assure compliance.

Accelerator	Not Recommended
Retarder	Retarder MR-899 will retard, or slow, the initial flash dry allowing slightly more time for the overspray to melt in to the surface when spraying in high temperatures, high humidity, or large jobs.
Fisheye	Not Recommended
Flattening	Not Recommended
Flex Additive	Not Recommended



POT LIFE

Mixed 1:1 with Refinish MBR-Series reducer there is an infinite pot life.
Mixed 1:1+5% MX-57 Pot life is approximately 2 hours @ 70° F/21° C.



GUN SETUP

Gun Type	Fluid Tip	Air Cap	Inlet PSI	Approx. Distance
Iwata LPH400	1.3 - 1.4	LVX	14 - 16	5" - 7"
Tekna Prolite	1.3 - 1.4	TE10	16 - 20	5" - 7"
SATA RP3000	1.3	N/A	22 - 26	5" - 7"



APPLICATION

***Tech Tip:** With any color, performing and evaluating a spray out prior to spraying the object can greatly increase productivity and color accuracy. If a colored undercoat is desired it can be achieved with a solid color RB - LV formulation.

Apply 2-3 coats depending on coverage and effect desired (will be indicated with spray out).



DRY/FLASH TIMES

DRY TIMES AT 70° F/21° C

FLASH TIME (AFTER 1ST COAT) 10-15 minutes
FLASH TIME (AFTER 2ND COAT) 15-20 minutes
FLASH TIME (AFTER 3RD COAT) 15-20 minutes

SPECIAL CONSIDERATIONS

If artwork is planned allow extra time between layer and colors to “protect” artistic effects from being smudged or otherwise damaged as work continues.

Taping directly onto fresh RB-LV will require the layer be dry and not just “skinned over”. If the surface becomes smudged or damaged it must be repaired and an additional layer applied to restore intended color and appearance.

RECOATING

Basecoat is ready for clearcoat application when flash dry. The basecoat will “feel” dry (firm and not wet) to touch. Test, with gloved hand, on masking or non essential area of job. When applying three stage colors, or artistic effects, allow extra dry time between layers and before clear coating. Clear coating, or recoating with itself, should be done within 24 hours of initial application. If repair to basecoat is needed, repairing, such as sanding, and recoating with itself, can be done at anytime once dry.

MB can be recoated directly with any Matrix Clearcoat including:

For areas requiring 2.1 VOC:

Refinish Solutions Low VOC Clearcoats

For areas requiring 4.2 VOC:

Refinish Solutions National Rule Clearcoat



EQUIPMENT CLEANING

Clean equipment immediately after use according to local regulations.



TECHNICAL

Color:	Various
Reducer:	MBR-Series Reducers
Mixing Ratio:	1:1
Viscosity #2 Zahn (RTS):	15 - 18 seconds #2 Zahn
Weight Solids (RTS):	23.16 - 49.57%
V.O.C. (RTS):	Is less than 3.5 lbs/gal or 420 g/l (VOC of a specific color can be found on the “mixed color” label. The VOC contents of a specific reducer can be found on the reducer label. These VOC levels can be used to calculate exact Ready to Spray VOC for both regulatory and material reporting).
Film Build:	0.4 - 0.6 mils per medium coat
Coverage (Depending on color):	144 - 225 sq. ft. per gallon @ 1 dry mil
Disposal/Safety:	see SDS for this product



FOR INDUSTRY USE ONLY

Read SDS 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 SDS 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.

Valspar Automotive

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BASECOAT