

# MS-15



## QUICK CURE URETHANE CLEARCOAT

### Technical Data Sheet

Technical Hotline 800.735.0303

### DESCRIPTION

MS-15 Quick Cure Clearcoat is designed for quick repairs over a wide temperature range. Intended for small jobs, MS-15 Quick Cure Clearcoat can be polished, or delivered same day without the need for baking.

### QUICK REFERENCE

What: A fast dry spot repair clearcoat.

Mix: 4:1 with MH-15 hardener.

Application: 2-3 coats.

Time: 1-2 hours.

Recoat: Yes, when dry.

### REQUIRED COMPONENTS

<u>Product</u>	<u>Description</u>
MS-15	Quick Cure Urethane Clearcoat

<u>Hardener</u>	
MH-15	Quick Cure Clearcoat Hardener

Reducer  
Not Recommended

### COMPATIBLE SUBSTRATES

MPB Matrix Automotive Finishes Premium Basecoat

MPB-LV Matrix Automotive Finishes Premium Low VOC Basecoat MSB Matrix Automotive Finishes Basecoat

MSB-LV Matrix Automotive Finishes Low VOC Basecoat Aqualution

Existing OEM Finishes

CLEARCOAT



## **PREPARATION**

1. Allow the final coat of basecoat to dry to touch prior to applying clearcoat.
2. Use a tack cloth to remove any surface contaminants that may have settled on the basecoat.
3. Apply MS-15 Quick Cure Urethane Clearcoat.

## **EXISTING FINISH**

Sand surface with P600-P800 wet or P500-P600 dry, and then clean with MX-8000 Paint Cleaner or MXW-9001 Low VOC Cleaner/Degreaser.

## **BLEND AREAS BEYOND COLOR**

Scuff sand with grey scuff pad (3M 7448 or equal), then clean with MX-8000 Paint Cleaner or MXW-9001 Low VOC Cleaner/Degreaser.



## **MIXING RATIO**

4 parts MS-15 to 1 part MH-15 hardener.

## **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 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 MX-01 is generally discouraged, however, when used as recommended, it may help minimize the surface reaction to contamination. The use of this additive is not a substitute for proper cleaning and preparation.



Flattening MX-85 or MX-85LV can be used to adjust the gloss level of Matrix Automotive Finishes clearcoats to meet specific customer needs. For custom effects, safety, or anti glare requirements, a sprayout to determine exact gloss level, is strongly recommended.



Flex Additive Not Recommended.



## **POT LIFE**

1-2 hours @ 70° F/21° C.

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



## **GUN SETUP**

<b><i>Fluid Tip</i></b>	<b><i>Inlet PSI</i></b>	<b><i>Approx. Distance</i></b>
1.3 - 1.4	16 - 22	5" - 7"



## **APPLICATION**

Apply 2-3 single coats. Where clearcoating can't be continued to edge of panel the clearcoat edge can be "melted" with MX-840 EZ Blend Edge Blender.



## **DRY/FLASH TIMES**

**DRY TIMES AT 70° F/21° C**

FLASH TIME (AFTER 1ST COAT)	1-3 minutes
FLASH TIME (AFTER 2ND COAT)	3-5 minutes
OUT OF BOOTH	15-30 minutes depending on temperature
DELIVER/POLISHING	1+ hours



## **RECOATING**

MS-15 may be repaired and recoated after 12-24 hours at 70° F/21° C.



## **POLISHING**

2 COATS	60-90 minutes
3 COATS	90+ minutes

*\*Tech Tip:* Temperature, humidity and film thickness will affect buff times. If extreme color sanding and buffing is needed allow overnight dry time.



## **EQUIPMENT CLEANING**

Clean equipment immediately after use according to local regulations.

## TECHNICAL

Clear:	MS-15
Hardener:	MH-15
Mixing Ratio:	4:1
Viscosity #2 Zahn (RTS):	18 - 20 seconds #2 Zahn
Weight Solids (RTS):	36.14%
Volume Solids (RTS):	31.59%
Film Build:	1.0 - 1.5 mils per full coat
Coverage:	507 sq. ft. per gallon @ 1 dry mil

V.O.C. as Delivered:	Regulatory VOC lbs/gal	Regulatory VOC g/l	Material VOC lbs/gal	Material VOC g/l
MS-15	4.5	534	3.2	387
MH-15	3.5	422	3.5	422
V.O.C. (RTS):				
MS-15/MH-15	4.2	506	3.3	394

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.