



## GENERAL INFORMATION

MS-747 Super Productive Clearcoat is formulated with advanced technology for faster cross-link and maintains flexibility without the need of force drying, unlike many conventional clearcoats.



### 1. COMPONENTS

- MS-747 Super Productive Urethane Clearcoat
- MA-455 Super Productive Activator Normal
- MA-457 Super Productive Activator High Temp



### 2. MIXING RATIO (4:1)

- Mix four (4) parts MS-747 Super Productive Urethane Clearcoat with one (1) part of either MA-455 or MA-457 activators.



### 3. POT LIFE @ 77°F (25°C)

- Sprayable 30-60 minutes.

\*NOTE: Pot life will shorten as temperatures increase. Matrix System products are not recommended for use in temperatures below 65°F



### 4. CLEAN UP

- Clean equipment immediately after use (check local regulations)



### 5. ADDITIVES

- **Accelerator:** Not recommended
- **Retarder:** Not recommended
- **Fisheye Eliminator:** 1/2oz per sprayable quart. 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:** See flattening table below.
- **Flex Additive:** 10% to ready to spray MS-747.

\*NOTE: Adding additional materials to a ready-to-spray product will increase the VOC as applied. Check mixture and local regulations to assure compliance



### 6. SURFACE PREPARATION

FOR APPLICATION OVER RECOMMENDED BASECOAT SYSTEM ONLY

- Allow basecoats sufficient dry times



#### OEM BLEND AREAS

Option 1:

- Clean blend area with appropriate Matrix surface cleaner based on local regulatory compliance.
- Scuff blend area with gray scuff pad and sanding paste
- Sanding paste must be thoroughly washed away
- Reclean blend area with Matrix surface cleaner prior to topcoating

Option 2:

- Clean blend area with appropriate Matrix surface cleaner based on local regulatory compliance
- Sand blend areas with P800 - P1000 grit paper, for hard to reach areas scuff with gray scuff pad
- Reclean blend area with Matrix surface cleaner prior to topcoating

\*NOTE: Option 1 and 2 the OEM Blend area must be scuffed or sanded completely dull

### 7. TOPCOATS

- N/A



### 8. TECH NOTES

- Sanding and polishing should be done within 48 hours of application.

- Matrix does not recommend nor warranty the blending of clear coats. Over reduction or solvent blending of the clear coat will become visible over time due to UV exposure on the blended edge. The edge may also fade or peel over time due to the minimal film thickness of the blended edge.

- Matrix recommends applying clear coat to the entire panel. Many of today's late model cars do not have a distinct edge or a break line on the quarter panel, in these cases Matrix recommends applying the clear coat to the roof and the opposite quarter panel.

- This procedure will assure a professional repair, that returns the vehicle back to pre accident condition



### 9. SUBSTRATES

- All Matrix Refinish Basecoats
- Existing OEM Finishes



### 10. APPLICATION

- Apply two (2) to three (3) single wet coats.
- Where clearcoating can't be continued to edge of panel the clearcoat edge can be "melted" with MX-840 EZ Blend Edge Blender
- \*See Tech Notes for additional information



### 11. FLASH / DRY TIMES

AIR DRY @ 77°F (25°C)

Flash (after 1st coat)	5-10 minutes
Flash (after 2nd coat)	10-15 minutes
Out-of-Booth	30-60 minutes depending on temp
Deliver/Polishing/Recoating	3+ hours



### 12. SPRAY GUN SET UP

HVLP/LVLP - Fluid Tip Size	1.3 mm - 1.4 mm
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#### AIR PRESSURES

- Refer to spray gun manufacturer's recommendations for regulatory compliance



### 13. PHYSICAL DATA

SEE PAGE 2



## 13. PHYSICAL DATA

RTS REGULATORY DATA WITHOUT ADDITIVES	4:1	
	LBS./GAL.	g/L
Actual VOC	4.22	505
Regulatory VOC (less water and exempt solvents)	4.23	507
Density	8.06	966
	WT.%	VOL.%
Total Solids Content	47.3	40.2
Total Volatile Content	52.7	59.9
Water	0	0
Exempt Compound Content	0.4	0.4
Coating Category	Clearcoat	

**NOTE:** US Regulations allow for the use of exempt compounds for VOC calculations.

WORST CASE RTS REGULATORY DATA WITH ADDITIVES	4:1:1.5%:10% MS-747:MA-457:MX-01:MX-841	
	LBS./GAL.	g/L
Actual VOC	4.33	519
Regulatory VOC (less water and exempt solvents)	4.35	521
Density	8.03	962
	WT.%	VOL.%
Total Solids Content	45.7	38.8
Total Volatile Content	54.3	61.2
Water	0	0
Exempt Compound Content	0.3	0.4
Coating Category	Clearcoat	

### Flattening Table

Clear/Color System	Gloss	Ounces of MX-85	Ounces of Hardener
MS-747	Flat	26	MA-455/457 8
	Eggshell	22	8
	Semi-Gloss	18	8

If used as instructed, this product is designed to comply with the US National Volatile Organic Compound (VOC) Emission Standard for Automobile Refinish Coatings. Confirm compliance with state and local air quality rules before use. The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. Valspar assumes no obligation or liability for use of this information. **UNLESS VALSPAR AGREES OTHERWISE IN WRITING, VALSPAR MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. VALSPAR WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.** Your only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option.