



GENERAL INFORMATION

MSV-21 2.1 VOC Urethane Clearcoat is a low VOC clear designed for general refinish work. MSV-21 is an easy to apply medium solids clear. MSV-21 2.1 VOC Urethane Clearcoat is versatile and delivers a productive, high gloss finish.



1. COMPONENTS

- MSV-21 2.1 VOC Urethane Clearcoat
- MHV-21F 2.1 VOC Fast Hardener
- MHV-21N 2.1 VOC Normal Hardener
- MHV-21S 2.1 VOC Slow Hardener



2. MIXING RATIO (4:1)

- Mix four (4) parts MSV-21 2.1 VOC Urethane Clearcoat with one (1) part of either MHV-21 F/N/S Hardener.



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

- N/A



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

- 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.

*See Notes for additional information



11. FLASH / DRY TIMES

AIR DRY @ 77°F (25°C)

Flash (after 1st coat)	10-15 minutes
Flash (after 2nd coat)	15-20 minutes
Out-of-Booth	30-60 minutes depending on temp
Deliver/Polishing/Recoating	8-12 hours

Force Drying @ 140°F (60°C)

Purge Time	10 minutes
Bake Time	30 minutes
Deliver/Polishing/Recoating	After 1 hour cool down

*NOTE: Dry times may vary due to temperature, humidity, film thickness and airflow. If extreme color sanding and buffing is needed allow overnight dry time.



12. SPRAY GUN SET UP

HVLP/LVLP - Fluid Tip Size	1.3 mm - 1.4 mm
----------------------------	-----------------

AIR PRESSURES

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



13. PHYSICAL DATA

SEE PAGE 2



13. PHYSICAL DATA

RTS REGULATORY DATA	4:1	
	LBS./GAL.	g/L
Actual VOC	0.967	115.87
Regulatory VOC (less water and exempt solvents)	2.046	245.272
Density	9.35	1120.377
	WT. %	VOL. %
Total Solids Content	34.48	34.02
Total Volatile Content	65.52	65.98
Water	0	0
Exempt Compound Content	55.18	52.75
Coating Category	Clearcoat	

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

If used as instructed, this product is designed to comply with Volatile Organic Compound (VOC) Standards in low-VOC jurisdictions, 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.