



GENERAL INFORMATION

EC500 is 2:1 mix ratio polyurethane clearcoat formulated to offer refinishers ease of application, fast dry and polish times and exceptional gloss. Available in 5 Liter package.



1. COMPONENTS

- EC500 Clearcoat
- EH70 Activator Fast
- EH80 Activator Medium
- EH90 Activator Slow



2. MIXING RATIO (2:1 by volume)

- Mix two (2) parts EC500 Clear with one (1) part EH70, EH80 or EH90 Activator

For USA VOC compliant rules:

- For USA National Rule compliance use components listed above



3. POT LIFE @ 77°F (25°C)

- Usable Pot Life 60 minutes



4. CLEAN UP

- Use Valspar reducers (check local regulations)



5. ADDITIVES

- N/A



6. SURFACE PREPARATION

FOR APPLICATION OVER RECOMMENDED BASECOAT SYSTEM

- Allow basecoats sufficient dry times
- Over OEM finish P800 or using gray scuff pad



7. TOPCOATS

- N/A



8. TECH NOTES

- N/A



9. SUBSTRATES

- Commercially available solvent based basecoats not exceeding 6.2 lbs/gal (744 g/L) RTS VOC
- Properly prepared previously painted substrates
- Properly cleaned and sanded OEM finishes



10. APPLICATION

Number of Coats	2-3
Application Density	Medium-wet to wet
Overlap	75%
Flash	Not stringing before applying 2nd coat
Film Thickness Range	
Dry	2.0 mils - 3.0 mils/50 - 75 µm
Application Conditions	
Min. Temp	50°F/10°C (Substrate Temp.)
Max. Temp	100°F/38°C (Substrate Temp.)
Ambient Humidity	Less than 80% preferred

NOTE: Do not spray when surface temperature is below 50°F (10°C)



11. FLASH / DRY TIMES

Ambient Application (Reported at 77°F/25°C and 80% Humidity)

	EH70 @ or above 77°F/25°C	EH80 @ or above 85°F/30°C	EH90 @ or above 95°F/35°C
Flash between coats	Not stringing	Not stringing	Not stringing
Dust Free	10-15 minutes	10-15 minutes	10-15 minutes
Sand/Polish	4-6 hours	4-6 hours	4-6 hours

Force Dry (Convection Heat)

	EH70	EH80	EH90
Purge Time before applying heat	20 minutes	20 minutes	20 minutes
Force Dry Time	20 minutes @ 165°F/75°C	20 minutes @ 165°F/75°C	20 minutes @ 165°F/75°C
Sand and Buff	After Cool Down	After Cool Down	After Cool Down



12. INFRARED CURE

- N/A



13. GUN SET UP



CONVENTIONAL	
Gravity Feed	1.3 mm - 1.4 mm
Siphon Feed	1.4 mm - 1.6 mm
HVLP	
Gravity Feed	1.3 mm - 1.5 mm

AIR PRESSURES

Conventional @ Gun	
Gravity Feed	30-40 psi (2.0-2.8 bar)
Siphon Feed	35-50 psi (2.5-3.4 bar)
HVLP Inlet Air	30 psi (2.0 bar)
See spray gun manufacturer info	



14. PHYSICAL DATA

SEE PAGE 2

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.



14. PHYSICAL DATA (Continued)

FOR USA (US National Rule)

RTS REGULATORY DATA:	2:1	
	(No Reduction)	
	LBS./GAL	g/L
Actual VOC	3.9 Max.	475 Max.
Regulatory VOC (less water and exempt solvents)	4.4 Max.	530 Max.
Density	7 - 10	840 - 1200
	WT.%	VOL.%
Total Solids Content	38 - 43	34 - 38
Total Volatile Content	57 - 62	62 - 66
Water	0	0
Exempt Compound Content	10 - 15	10 - 15
Coating Category	Clearcoat	

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

FOR REST-OF-WORLD (outside US and Canada):

RTS REGULATORY DATA:	2:1	
	(No Reduction)	
	LBS./GAL	g/L
VOC	5.0 Max	600 Max
Density	7 - 10	840 - 1200
	WT%	VOL%
Total Solids Content	38 - 43	34 - 38
Total Volatile Content	57 - 62	62 - 66
Water	0	0
Coating Category	Clearcoat	

NOTES

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