EC500 Clearcoat

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	50ºF/10°C (Substrate Temp.)
Max. Temp	100ºF/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 77ºF/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

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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