

# 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)



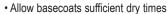
## 5. ADDITIVES

N/A



## 6. SURFACE PREPARATION

FOR APPLICATION OVER RECOMMENDED BASECOAT SYSTEM



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 ALLIMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENTINFRINGEMENT. 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.



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## 14. PHYSICAL DATA (Continued) FOR USA (US National Rule)

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

(catellar or and canada).			
	2:1		
RTS REGULATORY DATA:	(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		

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