LEGACY FINISHES

EC500 Clearcoat

GENERAL INFORMATION

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

1. COMPONENTS

- EC500 Clearcoat
- EH70 Fast Activator
- EH80 Medium Activator

2. MIXING RATIO

Mix 2 parts EC500 Clear with 1 part EH70 or EH80 by volume.

3. POT LIFE @ 77°F (25°C)

Usable Pot Life 60 min

4. CLEAN UP

Uni-Solvent LV X01, X02 (check local regulations).

5. SURFACE PREPARATION

FOR APPLICATION OVER RECOMMENDED BASECOAT SYSTEM.

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

6. SUBSTRATES

- Commercially available solvent based basecoats.
- Properly prepared previously painted substrates
- Properly cleaned and sanded OEM finishes

7. 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 mils - 3 mils/51 - 76 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).

8. FLASH / DRY TIMES

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

	EH70 @ or below 77°F/25°C	EH80 @ or above 78°F/25.5°C
Flash between coats	Not stringing	Not stringing
Sand/Polish	6-8 hours	8 hours

Force Dry (Convection Heat)

	EH70	EH80
Force Dry Time	30 min. @ 140°F/60°C *Object Temp.	30 min. @ 140°F/60°C *Object Temp.
Sand and Buff	After Cool Down	After Cool Down

9. 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

10. PHYSICAL DATA (2:1)

Density	8.46 lbs./gal. (1.014 kg/L)
Volume Solids	41%
VOC (Volatile Organic Content)	3.8 lbs./gal. (4.55 g/L)
Zahn #2 Viscosity @ 77°F (25°C)	15.3 Seconds
Din cup #4 mm @ 77°F (25°C)	14.4 Seconds
Flash Point	84.2º F (29°C)
Theoretical Coverage	657 F^2/gal @ 1 mil

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