



ULTRA 7000®

Basecoat/QUANTUM™ H.S. Urethane Clearcoat CC350

PRODUCT DESCRIPTION:

The ULTRA 7000® Basecoat with CC350 Clearcoat is an easy-to-apply, fast-drying system that provides excellent color matches to today's OEM Basecoat/Clearcoat finishes. ULTRA 7000® utilizes a new basecoat resin technology that achieves excellent gloss, clearcoat to basecoat adhesion, durability, and chemical/solvent resistance. ULTRA 7000® is especially suited for high volume body shops specializing in high quality, collision repair. ULTRA 7000® is available in thousands of intermixed or hundreds of factory packaged colors. CC350 is low in VOC at only 3.5 pounds/sprayable gallon, which meets VOC regulations of 4.5 pounds/gal VOC for basecoat/clearcoat composite.

- ULTRA 7000® Basecoat uses a special "Basecoat Stabilizer" which contains basecoat resin that makes the blending of colors easier and locks metallic/mica flakes in position ensuring a mottle-free basecoat that can be clearcoated in as little as 10 minutes.
- CC350 is a high solids urethane clearcoat that can be air-dried or short baked to provide the ultimate in productivity.

TECHNICAL DATA:

• Weight Solids at the gun	57.1%	• Air Pressure at Gun:	
• Volume Solids at the gun	49.6%	Gravity/Conventional	55-60 psi
• VOC (sprayable)	3.5 lbs/gal	HVL	9-10 psi
• Mixing Ratio by Volume		• Recommended Dry Film Thickness	2.0-3.0 mils
Clearcoat : Reducer : Hardener	3 : 1 : 1	• Gloss	
• Viscosity (sprayable)		at 60°	95 minimum
#4 Ford	16-18 sec	at 20°	85 minimum
#2 Zahn	26-28 sec	• DOI	95 minimum
• Ready to spray coverage at 2 mils	398 sq. ft.		

MIXING:

▪ Clearcoat Reducer: (Choose the clearcoat reducer that best fits temperature range and repair size.)

<u>Size of Repair</u>	<u>CCR352*</u>	<u>CCR354**</u>	<u>CCR356**</u>	<u>CCR358**</u>
Spot repairs	55-80°F	80-90°F	90-100°F	Above 100°F
1 or 2 panels repair	55-70°F	65-80°F	80-95°F	Above 95°F
Multi-panel repair	55-65°F	65-85°F	70-95°F	Above 90°F
Complete refinishing	--	60-85°F	70-95°F	Above 90°F

*CCR352 s for air dry use only.

CCR354/CCR356/CCR358 can be used for air dry or force dry. **CCR358 should be used only if spray temperature is above 90°F.

- **Mixing Clearcoat:** Mix 3 parts Clearcoat CC350 to 1 part Reducer, stir, then add 1 part Urethane Hardener UH100, stir well.
- **Mixing Flexibilized Clearcoat:** Mix 3 parts Clearcoat CC350 to 1 part Reducer, stir, then add 1 part Urethane Hardener UH100 and 1 part MULTI-FLEX™ Flexible Additive V6V299.
- **Pot life of Clearcoat at 75°F:** 2 hours with or without V6V299. **If using CCR358, pot life will be shortened to 1 hour with or without V6V299.**
- **DO NOT USE UCA50 TURBOCHARGER Ultra Cure Additive.**

APPLICATION:

1. Adjust air pressure at the gun to 55-60 psi for conventional or 9-10 psi at the cap for HVL.
2. Apply **only 2** wet coats at a gun distance of 5-7 inches allowing each coat to become hand slick before applying the next coat. Apply second coat of clearcoat within 30 minutes of the first to prevent a possible recoat lift.
3. To blend clearcoat edge, overreduce clear by adding 2-3 additional parts of US7590/US3. Use this material as a blending solvent to melt clearcoat edge. If using siphon gun, reduce pressure to 25-30 psi at the gun. **IMPORTANT:** Clean spray gun immediately after use with Gun and Equipment Cleaner R7K105.

DRYING SCHEDULE:

Dry times are based on the recommended dry film thickness of 1.0-1.5 mils for basecoat color and 2.0-3.0 mils for clearcoat, thicker films will extend drying times.

- Air dry times:

Dust free	50-60 minutes
To buff	Overnight
To deliver	Overnight

- Force dry times:

120°F	30 minutes
140°F	20 minutes
Can be buffed 4 hours after force drying	

Bake times are based on surface temperature. The time needed to reach the recommended surface temperature is booth dependent. Additional time should be allowed for surface to reach the desired temperature. Use a surface temperature gauge to insure proper surface temperature is being obtained.

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• If buffing of ULTRA 7000® Clearcoat CC-350 is needed due to dirt:

1. Allow Clearcoat to cure according to DRYING SCHEDULE. Wet sand with 1500 grit sandpaper (if orange peel needs to be removed) followed by cross sanding with 2000 grit sandpaper, checking frequently with a rubber squeegee to ensure that the 1500 scratches are being removed.
2. Buff by machine with wool compounding pad using ULTRA Polishing Cream UPC-10.
3. Optional: For removing swirl marks or pad scratching, follow with ULTRA Polishing Liquid UPL-20 using a polishing pad.
4. Finish with ULTRA Machine Glaze UMG-30 using a foam pad. For ultimate in appearance, use UGH-40 Hand Glaze with a soft clean cloth.

RECOMMENDED SPRAY EQUIPMENT:

<u>Gun Type</u>	<u>Manufacturer</u>	<u>Gun Model</u>	<u>Nozzle</u>	<u>Air Cap</u>	<u>Recommended Air Pressure</u>	<u>CFM†</u> <u>Required</u>
HVLP Gravity Feed	SATA	NR95	1.5 mm	Use one supplied	*10 psi @ cap	14
HVLP Gravity Feed	DeVilbiss	OMX	1.4 mm	#97	*10 psi @ cap	18
HVLP Gravity Feed	Sharpe	SGF-HVLP	1.4 mm	Use one supplied	*10 psi @ cap	13.9
Conv. Gravity Feed	SATA	Jet 90	1.4 mm	Use one supplied	55-60 psi	7.5
Conv. Gravity Feed	Sharpe	SGF	1.4 mm	CC	55-60 psi	11.5

*Use specific spray gun manufacturer air cap test kit to verify the appropriate air cap pressure.

†Cubic Feet per minute

PRODUCT AT-A-GLANCE

PRODUCT

ULTRA 7000® Basecoat/QUANTUM™ CC350 Clearcoat

U7 Series

USE

- An easy-to-apply, high-gloss Acrylic Urethane System with excellent durability.
- Matches OEM basecoat/clearcoat colors.
- Uses unique Basecoat Stabilizers that control color blending.

SUITABLE SUBSTRATES

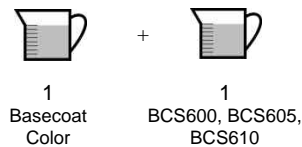
- OEM Enamels
- OEM lacquers
- Aged refinishes
- AQUA-SEAL™ 1K Waterborne Sealer
- AQUA II™ Primer
- AQUA-FILL® Primer
- E6H59/Color-Seal™ 3.5 VOC
- E6C61 Adhesion Promoter

SURFACE PREPARATION

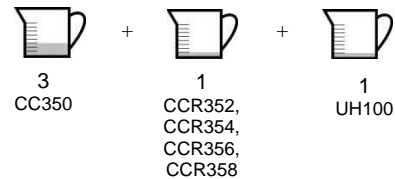
- **Wash** surfaces with a mild detergent in hot water. Rinse well and wipe dry with clean cloth.
- **Solvent clean** with an appropriate Sherwin-Williams solvent cleaner, and wipe dry with a clean cloth.
- **Treat** bare metal areas with G.B.P.® Etching Filler or CORROSION SHIELD™.
- **Surface** with AQUA II® Primer-Surfacer or AQUA-FILL®
- **Seal** with AQUA-SEAL™ 1K Waterborne Sealer.

MIXING

Basecoat – Stir or shake color thoroughly



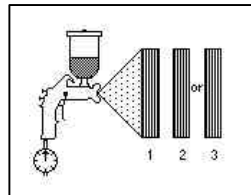
CC350 Clearcoat



APPLICATION

Basecoat

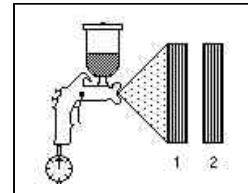
Apply 2-3 medium coats
Allow each coat to flash until hand slick before next coat.



45 psi† Pot life: unlimited
Optional: use a 25 psi low pressure mist coat to even out metallic/mica colors as a final coat after hiding has been achieved.
†Use 8-10 psi for HVLP

Clearcoat

Apply 2 wet coats,
Allow each coat to become hand slick before next coat.



CC350: Pot life at 75°F is 2 hours with or without V6V299
If using CCR358, pot life is shortened to 1 hour with or without V6V299.
See gun recommendations

RECOAT

- Recoat Basecoat color with CC350.
- Recoat Basecoat colors before 7 days or remove basecoat color.

NOTES

- Basecoat will appear flat when dry.
- **Do not** use fisheye killers in basecoat color as it will adversely affect the adhesion of the clearcoat.
- If fisheyes are a problem in clearcoat, add up to ½ ounce of The Leveler® V3K780 per sprayable quart of clearcoat.
- **Do not** scuff, sand (wet or dry), or solvent clean basecoat colors. (Small areas may be wet sanded to remove dirt.)

PERSONAL PROTECTION

- Read all label directions before use.
- Refer to MSDS for specific information.
- Wear a NIOSH approved air purifying respirator when mixing and applying.
- Wear a NIOSH approved dust particulate mask when sanding.
- Wear safety glasses, coveralls, and latex gloves when using product.

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