

# CUSTOM

## H/S Urethane Clear (4:1)



TECHNICAL DATA SHEET

UCC500 Custom Clear is a premium high-solids 4:1 acrylic urethane system designed for professional refinish and custom paint shops that require the ultimate finish. This fast drying, easy to apply clear provides exceptional flow and leveling, while yielding beautiful gloss and distinctness of image. New resin technology enables this clearcoat to be compounded easily for days after application, a step that really brings up the sheen to a show car-quality level. Designed for use with Kirker's SPECTRA Series urethane candy color system, or single-stage urethane paint (ULTRA-GLO). May also be used with other manufacturer's basecoat or single-stage paint systems.

- National Rule Compliant
- Fast drying, fast delivery
- Beautiful, long-lasting gloss
- Excellent distinctness of image
- Easy 4:1 mix ratio
- High build in two coats
- EZ-Buff Technology

### COATING TYPE:

High-Solids Acrylic Urethane Clear

### PRODUCT CODE:

UCC500 (Quart)

### ACTIVATORS:

0175 SPECTRA Series Activator  
(Available in half-pints)

### REDUCERS:

UR-9065 / UR-8065 Fast (Low temp)  
UR-9075 / UR-8075 Medium (Mid temp)  
UR-9085 / UR-8075 Slow (High temp)  
UR-9095 / UR-8095 Super slow (Very high temp)  
UE-8000 Universal Zero-VOC Reducer



### PHYSICALS:

<b>Appearance:</b>	Water white
<b>Weight per Quart:</b>	1.99 lbs (7.99 lbs / gallon)
<b>Package Measure:</b>	U.S. quart (.946 liters)
<b>RTS viscosity:</b>	18-21 sec. in #2 Zahn Cup
<b>Packaged VOC:</b>	4.2 lbs/gallon
<b>Mix ratio:</b>	4:1

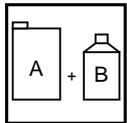


**SURFACE PREP:**

If applying clearcoat to existing finish, remove all traces of wax, grease, silicone, oil and other contaminants with detergent wash, followed with a solvent wash (such as Kirker's 650 Wax & Grease Remover). Sand existing finish to abrade with 600-800 grit. Re-clean with final wash cleaner (such as Kirker's 600 Surface Wash).

Kirker's Custom Clear may be applied wet-on-wet over basecoats after sufficient flash time (approximately 15-20 minutes). If applying clearcoat to newly applied (but cured) paint, sand undercoat with 800 grit before recoating to ensure sufficient adhesion.

If using UCC500 for partial refinish or repair work, be sure to mask all adjacent panels to prevent dry overspray.



**MIXING:**

Mix ratio: 4:1 by volume. Thoroughly mix four (4) parts UCC500 Custom Clear with one (1) part SPECTRA Series Universal Activator (0175) depending on air flow and shop temperatures. Caution: Mix only as much material as you will need to complete the immediate job.

Additional reducer is not required, but may help with flow and leveling during the application process. Reduce the activated mixture by 5% to 20% to further improve sprayability. Selecting the appropriate urethane-grade reducer depending on shop temperature will also reduce the chance of orange peel. **WARNING:** With further reduction beyond the recommended 4:1 mix ratio, UCC500 may no longer be VOC compliant for your area.

Temperature range	Less than 70° F	70° F - 80° F	80° F – 90°F	Above 90°F
Reducer (Gallon)	UR-9065 (Gal)	UR-9075 (Gal)	UR-9085 (Gal)	UR-9095 (Gal)
Reducer (Quart)	UR-8065 (Qt)	UR-8075 (Qt)	UR-8085 (Qt)	UR-8095 (Qt)
Speed	FAST	MEDIUM	SLOW	SUPER SLOW

If necessary, Kirker's UFE8 Universal Fish Eye Eliminator may be added to the mix (1/2 ounce of UFE8 per ready-to-spray quart of UCC500 Clear).

**4:1**

UCC500 Clear	4 oz	12 oz.	24 oz.	36 oz.
0175 Activator	1 oz.	3 oz.	6 oz.	9 oz.
<b>TOTAL MIXTURE</b>	<b>5 oz.</b>	<b>15 oz.</b>	<b>30 oz.</b>	<b>45 oz.</b>



**POT LIFE:**

Approximately 2 hours at 70°F. Caution: Pot life of mixed components is significantly shorter at elevated temperatures and in humid conditions. These environmental factors also may affect flow and leveling during the application process.



**GUN SETTINGS:**

GUN TYPE	TIP SIZE	AIR PRESSURE
Conventional Siphon Feed:	1.4 mm – 1.8 mm	45-55 psi at the gun
Conventional Gravity Feed:	1.3 mm – 1.6 mm	45-55 psi at the gun
HVLP	1.3 mm – 1.5 mm	8-10 psi at the tip

*Always refer to gun manufacturer's recommendations for additional details on suggested tip size, air pressure and other adjustments.*



**APPLICATION:**

Apply UCC500 in two (2) wet coats as necessary to achieve the desired build, allowing ten (10) minutes flash time between coats (+/- depending on air flow and temperature).

Custom Clear may also be integrated into other components of Kirker's SPECTRA Series. Used with urethane candies, the clear can help to create a more subtle hint of color. Candy colors and clear may be mixed at any ratio, as they share a common activator (0175) and mix ratio (4:1).



**DRY TIMES:**

	<u>AIR DRY</u>	<u>FORCE DRY</u> (Bake for 40 minutes at 140° F after five-minute flash)
Dust free:	10 minutes	End of cycle
Tack free:	3 hours	End of cycle
Tape:	8 hours	20 minutes after cycle
Polish:	8-12 hours	20 minutes after cycle
Stripe:	Next day	20 minutes after cycle
Deliver:	Next day	20 minutes after cycle
Decal:	48 hours	20 minutes after cycle

*Air-dry times may vary slightly depending on shop temperatures, airflow and total film thickness. All dry times listed are approximate, at 70°F.*



**CLEANUP:**

Close all containers tightly after each use. Clean gun and spray equipment with gun wash or other appropriate solvent products immediately after application to prevent damage.

Shelf life of 0175 Activator is limited once can has been opened. This product is extremely susceptible to oxygenation and exposure to moisture. Therefore, containers should be closed tightly, with a clean seal, as quickly as possible. Also, activators should be stored at a consistent temperature to prevent the formation of condensation inside the can.



**RECOAT WINDOW:**

UCC500 should not be recoated more than one hour after the completion of the previous coat. If more than one hour has elapsed, wait 6-8 hours (depending on air flow and temperature) before recoating. After 24 hours, UCC500 may be recoated, but only after the surface has been abraded with 600-800 grit sandpaper to promote sufficient adhesion.



**POLISH:**

After eight (8) hours dry time or 40-minute bake cycle, UCC500 may be sanded with 1500 grit or finer to abrade surface and/or remove dust nibs and other imperfections such as orange peel, then with 2000 grit or finer sand paper to remove all 1500-grit scratches.

Use a wool pad or foam pad in combination with a high-quality clearcoat finishing compound, following material manufacturer's instructions. Follow with a high-quality finishing glaze applied either by hand, or variable-speed buffer.



**HEALTH / SAFETY PRECAUTIONS:**

THIS PRODUCT IS INTENDED FOR USE BY PROFESSIONALS ONLY.

USE THIS PRODUCT ONLY WITH ADEQUATE VENTILATION: Wear appropriate, properly fitted fresh-air-supplied NIOSH/MSHA-approved respirator (TC-19C or equivalent) as directed by the manufacturer. Protect hands with impervious nitrile gloves. Always wear eye and face protection. Individuals with lung or breathing problems should neither use nor be exposed to this product, its vapors or spray mist. READ ALL WARNINGS ON ALL LABELS BEFORE USING.

This product is designed to be mixed with other components. Mixture will have hazards of all components. Before opening the packages, read all warning labels. Follow all precautions. See Material Safety Data Sheet for additional health and safety information.

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**WARRANTY:**

All recommendations for the use of Kirker products are based on tests and experience believed to be reliable. Since the methods of use, conditions of application, and the application itself are beyond our control, product warranty is restricted to replacement of material only. No other warranty, written or oral, is expressed or implied.

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**FOR ADDITIONAL INFORMATION:**



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