



TECHNICAL DATA SHEET

CUSTOM H/S URETHANE CLEARCOAT

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 polished 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 DOI
- ◆ Easy 4:1 mix ratio
- ◆ High build in two coats

COATING TYPE:

High-Solids Urethane Clearcoat

PRODUCT CODE:

UCC500

ACTIVATOR:

0175

WEIGHT PER GALLON:

7.99 lbs

PACKAGE MEASURE:

1 US Gallon / 128 fl. oz. / 3.785 Liters

RTS VOC:

National Rule Compliant (will not exceed 4.8 lbs/gallon)

RTS Viscosity:

18-21 seconds, #2 Zahn cup



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).

CUSTOM H/S Clear may be applied wet-on-wet over basecoats and single-stage urethane topcoats after sufficient flash time (approximately 15-20 minutes). If applying clearcoat to newly applied (but cured) paint, sand 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.

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MIXING

Mix ratio: 4:1 by volume. Thoroughly mix four (4) parts CUSTOM H/S Urethane Clearcoat (UCC500) with one (1) part Urethane Clearcoat Activator (0175).

| TO MIX | 10 oz | 25 oz | 40 oz |
|-----------|-------|-------|-------|
| CLEAR | 8 oz | 20 oz | 32 oz |
| ACTIVATOR | 2 oz | 5 oz | 8 oz |

While UCC500 is meant to be mixed with 0175 Activator, users may also use Kirker's 0065, 0075 or 0085 Urethane Clear Activators.

Always choose the appropriate activator based on the anticipated shop temperature and other conditions at the time of application.

| BELOW 70° | 70-80° | ABOVE 80° |
|-----------|--------------|-----------|
| FAST | MEDIUM | SLOW |
| 0065 | 0175 or 0075 | 0085 |

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

POT LIFE

Approximately two hours at 70°F.

Mix only as much material as is needed to complete the immediate job.

GUN SETTINGS

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

| GUN TYPE | TIP SIZE | AIR PRESSURE |
|----------------------|------------|--------------|
| Conventional Siphon | 1.4-1.8 mm | 45-55 psi |
| Conventional Gravity | 1.3-1.6 mm | 45-55 psi |
| HVLP | 1.3-1.5 mm | 8-10 psi |

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 the final coat of Kirker's ULTRA-GLO single-stage urethane system or SPECTRA Series urethane candy colors for increased gloss and durability. This step is not necessary if planning to apply a separate clearcoat. Kirker's CUSTOM Clear and urethane colors may be mixed at any ratio, as long as care is taken to first properly mix both the paint and the clear with their correct activators, at the correct mix ratios.

DRY TIMES

| | <u>AIR DRY</u> | <u>FORCE DRY</u> (bake 40 min. at 140°F) |
|------------|----------------|--|
| 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 70-75°F.

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 18 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.

CLEANUP

Close all containers tightly after each use. Clean gun and spray equipment with Kirker's VOC Compliant Gun Wash (670) or other appropriate solvent products immediately after application to prevent damage.

HEALTH / SAFETY

THIS PRODUCT IS INTENDED FOR USE BY PROFESSIONALS ONLY. 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 Safety Data Sheet for additional health and safety information.

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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