

# URETHANE CANDY BASES

## ULTRA-GLO (UCB Series)

### Acrylic Urethane Topcoat



TECHNICAL DATA SHEET

Kirker's Urethane Candy Base (UCB) Series features some of the brightest, most eye-catching automotive topcoat colors available anywhere. These electrifying metallic colors may be used alone (a clearcoat is strongly recommended) or in combination with Kirker's SPECTRA Series Urethane Candy Colors. An extra coarse aluminium makes these spectacular colors burst to life in the sun, while super intense color-shifting pigments create brilliant shades that are unmatched in the custom refinish world.

This is a catalyzed topcoat system offering a premium finish with exceptional durability that far surpasses enamel-based systems. Manufactured with quality raw materials and advanced acrylic urethane technology, UCB Series colors feature excellent resistance to harmful UV exposure, dangerous chemicals, everyday weathering and aggravating stone chips. And thanks to exceptional lightfast properties, UCB Series colors won't fade out like most other bright custom color systems. May be applied in combination with a urethane clearcoat or urethane candy. Kirker's new ULTRA-LOCK additive (UA-2400) allows users to convert single-stage urethane colors into activated urethane basecoats.

#### COATING TYPE:

Acrylic Urethane Paint (Single-stage)

#### PRODUCT CODE:

"UA" prefix; Factory-pack colors (see color chart)

#### ACTIVATORS:

UA-1600M - Medium temp (Below 80°F)

UA-1600S - High temp (Above 80°F)

#### REDUCERS:

Additional reduction is not required.

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:

**Appearance:** Paint (color varies)

**Weight per gallon:** Varies with color

**Package measure:** ¾ U.S. gallon / 96 fl. oz.

**RTS viscosity:** 18-20 seconds in #2 Zahn Cup

**RTS VOC:** Maximum VOC of 5.0 lbs/gallon  
(National Rule Compliant)

#### SUITABLE SUBSTRATES:

**PERFECT PRIME** – 2K Primer Surfacer (Overall)  
(UP731 / UP732)

**RAPID PRIME** – 2K Primer Surfacer (Spot / Panel)  
(UP711 / UP712)

**ENDURO PRIME** – Epoxy Primer  
(EP611 / EP612)

**SUPER RUST STOP** – Non-Sanding Primer  
(201, 202, 1260, 1262, 1264)

*Well-prepped OE finishes and other automotive-grade primer systems may also be suitable*

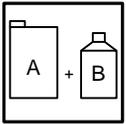


**SURFACE PREP:**

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). Abrade substrate with 600-800 grit, to ensure sufficient adhesion. Re-clean with final wash cleaner (such as Kirker's 600 Surface Wash).

ULTRA-GLO UCB Series may also be applied "wet on wet," over certain freshly applied undercoats including Kirker's PERFECT Prime and RAPID Prime after approximately 30 minutes flash time; or ENDURO Prime after 30-45 minutes flash.

Be sure to mask all adjacent panels to prevent dry overspray.



**MIXING:**

Please note that while every attempt for color consistency is made, there may be some difference in shade from one batch to the next. If using multiple cans of the same color, for the same job, be sure to check for a common batch code before starting. This can be identified by the five-digit number marked either on the lid or face of the can. If batches are not the same, all materials should be blended prior to use to ensure color consistency.

Mix ratio: 3:1 by volume. Thoroughly mix three (3) parts Urethane Candy Base color with one (1) part of the appropriate Activator (UA-1600M / UA-1600S), depending on air flow and shop temperatures.

Temperature range	Less than 80° F	More than 80° F
Activator	UA-1600M (Medium)	UA-1600S (Slow)

No additional reduction is required. If necessary, use one of Kirker's urethane-grade reducers (chosed from the list below depending on the anticipated shop temperature at the time of application), or Universal Zero-V.O.C. Reducer (UE-8000). WARNING: With further reduction beyond the recommended 3:1 mix ratio, ULTRA-GLO 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 per ready-to-spray quart of Diamond Pearl Series SSU).

Caution: Mix only as much material as you will need to complete the immediate job.

**3:1**

UA SSU Color	6oz	12 oz.	24 oz.	48 oz.
UA-1600 Activator	2 oz.	4 oz.	8 oz.	12 oz.
<b>TOTAL MIXTURE</b>	<b>8 oz.</b>	<b>16 oz.</b>	<b>32 oz.</b>	<b>64 oz.</b>



**ULTRA-LOCK BASECOAT CONVERTER OPTION:**

ULTRA-GLO colors may be converted to spray and perform more like basecoat by integrating Kirker's new ULTRA-LOCK (UA-2400) additive into the mix. ULTRA-LOCK significantly improves sprayability and ease-of-use while converting single-stage urethanes into fast-drying, basecoat-like finishes. Anti-Mottle Technology stabilizes metallics and pearls, locking these effect pigments in place for an even, streak-free finish.

To use, mix three (3) parts ULTRA-GLO SSU color with one (1) part of the appropriate Activator (UA-1600M, UA-1600S), depending on air flow and shop temperatures, and one (1) part UA-2400 ULTRA-LOCK.

See Technical Data Sheet for ULTRA-LOCK for more specific information and details about application procedures.



**POT LIFE:**

Approximately 2 hours at 70°F.

CAUTION: Pot life is significantly shorter at elevated temperatures and in humid conditions. These environmental factors also may affect flow and leveling during the application process.



**GENERAL GUN SETTINGS:**

<u>GUN TYPE</u>	<u>TIP SIZE</u>	<u>AIR PRESSURE</u>
Conventional Siphon Feed:	1.2 mm – 1.6mm	40-50 psi at the gun
Conventional Gravity Feed:	1.2 mm – 1.5 mm	40-50 psi at the gun
HVLP	1.2 mm – 1.4 mm	8-10 psi at the cap

These are general gun setting recommendations. Always refer to gun manufacturer's recommendations for more specific and additional details on suggested tip size, air pressure and other adjustments.



**APPLICATION:**

*These instructions are for Kirker's Urethane Candy Base Series colors. Please refer to appropriate Technical Data Sheet for more specific application instructions if using standard solid, metallic or pearl ULTRA-GLO colors, Diamond Pearl (DP) Series colors or the SPECTRA Series (UC) urethane candy colors.*

**URETHANE CANDY BASE COLORS**

Apply ULTRA-GLO UCB Series colors in even coats with consistent overlap as necessary to achieve full hiding (coverage) while maintaining even distribution of aluminum. Be sure to allow at least ten (10) minutes flash time between coats (+/- depending on airflow and temperature). Insufficient flash times will result in a re-floating of the extra coarse metallic, causing a mottled finish.

In most cases, three wet coats will be enough to provide sufficient coverage. A final Drop Coat may be applied lightly, to help even out the aluminum distribution and conceal any mottled areas.

Consistent application technique is important with UCB Series colors, because they will become increasingly rich as more material is applied. UCB Series colors are made with very intense candy pigments, so it is possible to achieve a darker shade by applying the color in heavy wet coats, or in additional coats.

Because of the extra coarse aluminum, UCB Series colors will most likely require a topcoat. Use any of Kirker's Urethane Clearcoats, or SPECTRA Series Urethane Candy Colors directly over the UCB Series base, once base metallic color has fully flashed (minimum 10 minutes), or before 18 hours have passed (+/- depending on air flow and temperature). Applying a urethane topcoat "wet on wet" in this manner allows the candy or clear to melt into the base, creating the ultimate intercoat adhesion.

For multiple phase custom paintwork, the use of a clearcoat over UCB-Series Colors is strongly recommended. It will be much easier to scuff sand (for adhesion), tape over, apply graphics and recoat the cured urethane clearcoat.

See separate Technical Data Sheet for SPECTRA Series Urethane Candy colors, or UCC500 CUSTOM Clear for additional details on mixing and applying those components of the SPECTRA Series candy color system.



<b>DRY TIMES:</b>	<u>AIR DRY</u>	<u>FORCE DRY</u> (Bake for 40 minutes at 140° F after five-minute flash)
Dust free:	15-20 minutes	End of cycle
Tack free:	1 hour	End of cycle
Tape:	8 hours	20 minutes after cycle
Polish:	8 hours	20 minutes after cycle
Full cure:	18-24 hours	20 minutes after cycle
Stripe:	Next day	20 minutes after cycle
Deliver:	24 hours	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*



**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 UA-1600M and UA-1600S Activator is limited once cans have been opened. These products are extremely susceptible to oxygenation and exposure to moisture. Therefore, containers should be closed tightly after each use, with a clean seal, as quickly as possible. Also, activators should be stored at a consistent temperature to prevent the formation of potentially damaging condensation inside of the can.

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**RECOAT WINDOW:**

Like all ULTRA-GLO topcoats, UCB-Series colors may be recoated for up to 18 hours (at 70° - 75°F). After 18 hours, surface must first be abraded with 600-800 grit to promote sufficient adhesion before recoating.

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**POLISH:**

The extra coarse aluminum used in the UCB-Series color formulas will make polishing very difficult. Kirker recommends applying a topcoat such as a urethane clear or SPECTRA Series Urethane Candy Color over UCB-Series metallic colors. Follow standard polishing directions for topcoats (after at least eight hours dry time).

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**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 (TC19C 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 Sheets 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. It is the responsibility of the purchaser to determine the suitability of this product for its intended use. Since the methods of use, conditions of application, and the application itself are beyond manufacturer's and sellers' 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:**



89 Taft Avenue, Newburgh, NY 12550  
Toll free: 800-307-7951  
Fax: 845-562-8986  
www.KirkerAutomotive.com  
info@kirkerautomotive.com