

ULTRA-GLO

Acrylic Urethane Topcoat



TECHNICAL DATA SHEET

ULTRA-GLO is a top-of-the-line acrylic urethane color system designed to deliver the beautiful results required for passenger vehicle refinish and restoration work with the tough exterior durability needed to protect commercial vehicles and fleet equipment. This single-stage color system is available in 65 stock pre-mixed, factory-packaged colors. ULTRA-GLO is an activated topcoat offering a premium finish with exceptional durability that far surpasses enamel-based systems. Manufactured with high quality raw materials and advanced acrylic urethane technology, ULTRA-GLO features excellent resistance to harmful UV exposure, dangerous chemicals, everyday weathering and aggravating stone chips. Designed to be used in a single-stage application or in combination with a urethane clearcoat for additional durability and gloss. 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 Selector)

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 (UP731 / UP732)

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

ENDURO PRIME – Epoxy Primer (EP611 / EP612)

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

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

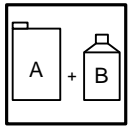


SURFACE PREP:

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 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 ULTRA-GLO SSU 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 ULTRA-GLO 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.
TOTAL MIXTURE	8 oz.	16 oz.	32 oz.	64 oz.



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 will be 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 solid, metallic and pearl ULTRA-GLO colors. Please refer to appropriate Technical Data Sheet for more specific application instructions if using Diamond Pearl (DP) Series colors, Urethane Candy Base (UCB) Series metallic colors or the SPECTRA Series (UC) urethane candy colors.

Solid, metallic and pearl colors

Apply ULTRA-GLO SSU in two (2) to three (3) medium wet coats as necessary to achieve the desired coverage, allowing five (5) to ten (10) minutes flash time between coats (+/- depending on air flow and temperature). A final coat may be fogged on as necessary to set even metallic pattern and prevent mottling. A dry film thickness of 2 mils is recommended.

When applying pearl or metallic colors, choice of undercoat color becomes more important. Because less pigment is used to make certain colors (to maintain pearlescent and/or metallic effects), these colors may require additional coats to achieve full coverage. In these situations, a uniform undercoat color, a sealer, or a solid color "Ground coat" will significantly improve the appearance and hiding efficiency of ULTRA-GLO topcoats.

When using ULTRA-GLO in combination with one of Kirker's urethane clearcoats, color may be applied "dry," as an activated basecoat. Doing so increases ability to apply even spray pattern and minimizes chances of mottling. Once final coat has had sufficient time to flash, ULTRA-GLO may be clearcoated with any of Kirker's urethane clear systems.

Another option includes integrating one of Kirker's urethane clearcoats into the final coat of ULTRA-GLO for increased gloss and durability in a single-stage application. This step is not necessary when planning to apply a separate clearcoat. Kirker's clears and ULTRA-GLO 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 ratios.



<u>DRY TIMES:</u>	<u>AIR DRY</u>	<u>FORCE DRY</u> (Bake for 40 min at 140° F after five-min. 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.



RECOAT WINDOW:

ULTRA-GLO 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.



POLISH:

In single-stage applications: After eight (8) hours dry time, ULTRA-GLO 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 to remove 1500-grit scratches.

Great care should be taken when sanding metallic colors. Only abrade surface lightly. Do not cut too deep into film, as aluminum flake rests just beneath surface.

Use a wool pad or foam pad in combination with a high-quality 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.

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.

FOR ADDITIONAL INFORMATION:



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