



TECHNICAL DATA SHEET

ULTRA-GLO SINGLE STAGE URETHANE TOPCOAT

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 combined with the tough exterior durability needed to protect commercial vehicles and fleet equipment. This single-stage color system is available in more than 70 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 ULTRA-LOCK additive (UA-2400) allows users to convert single-stage urethane colors into activated urethane basecoats.

- ◆ 2.8 VOC meets even the most stringent regulations
- ◆ Wide assortment of factory packaged colors
- ◆ Super protection against UV, weather, chemicals
- ◆ Long-lasting gloss and beautiful color
- ◆ 10 colors available in quarts

COATING TYPE:

Low-VOC Urethane Topcoat (single-stage)

PRODUCT CODES:

UA Prefix

ACTIVATOR:

UA-1600M

UA-1600S

WEIGHT PER GALLON:

Varies by color

PACKAGE MEASURE:

3/4 US Gallon / 96 fl. oz. / 2.83 Liters

RTS VOC:

Varies by color (will not exceed 2.8 lbs/gallon)

RTS Viscosity:

20-22 seconds, #2 Zahn cup



SUITABLE SUBSTRATES

Black Diamond Low-VOC 2K Urethane Primer Surfacer
PERFECT PRIME 2K Urethane Primer Surfacer
RAPID PRIME 2K Urethane Primer Surfacer
DIRECT PRIME DTM 2K Urethane Primer Surfacer
ENDURO PRIME DTM Epoxy Primer Surfacer

Properly prepared, OE finishes and other fully cured automotive-grade primers 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 DIRECT PRIME, PERFECT Prime and RAPID Prime 2K Urethane Primer Surfacer after approximately 30 minutes flash time; or ENDURO PRIME DTM Epoxy Primer after 30-45 minutes flash. Be sure to mask all adjacent panels to prevent dry overspray.

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COLOR

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.

MIXING

Mix ratio: 3:1 by volume. Thoroughly mix three (3) parts ULTRA-GLO Color with one (1) part ULTRA-GLO ACTIVATOR (UA-1600M or UA-1600S, depending on shop temperature and other conditions).

TO MIX	12 oz	24 oz	36 oz
SSU COLOR	9 oz	18 oz	27 oz
ACTIVATOR	3 oz	6 oz	9 oz

No additional reduction is required, though reducing the 3:1 mix may improve sprayability and will decrease the total film build, which is desirable in situations where a sealer is called for.

ULTRA-GLO may be reduced with any of Kirker's ULTRA-GLO Urethane-Grade Reducers or BLACK DIAMOND Low-VOC Reducers (chose from the list below depending on the anticipated shop temperature at the time of application).

BELOW 70°	70-80°	80-90°	ABOVE 90°
FAST	MEDIUM	SLOW	SUPER SLOW
UA-1600M	UA-1600M	UA-1600S	UA-1600S
UR-9065	UR-9075	UR-9085	UR-9095
UR-8065	UR-8075	UR-8085	UR-8095
LVR-565	LVR-575	LVR-585	LVR-595

ULTRA-LOCK OPTION

ULTRA-GLO colors may be converted to spray and perform more like basecoat by integrating Kirker's ULTRA-LOCK (UA-2400) Metallic Control Additive/Basecoat Converter 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 metallic and pearl particles, 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 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	1.2-1.6 mm	40-50 psi
Conventional Gravity	1.2-1.5 mm	40-50 psi
HVLP	1.2-1.4 mm	8-10 psi

APPLICATION

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.

DRY TIMES

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.

	<u>AIR DRY</u>	<u>FORCE DRY</u> (bake 40 min. at 140°F)
Dust Free:	15-20 min.	End of cycle
Tack Free:	1 hours	End of cycle
Tape:	8 hours	20 minutes after cycle
Polish:	8-12 hours	20 minutes after cycle
Full Cure:	18 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

RECOAT

ULTRA-GLO may be recoated for up to 18 hours (at 70-75°F). After 18 hours have elapsed, 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.

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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