



TECHNICAL DATA SHEET

ULTRA LOCK METALLIC CONTROL ADDITIVE/BASE CONVERTER

ULTRA-LOCK is a combination Effect Additive / Basecoat Converter designed for use with Kirker's ULTRA-GLO urethane color system.

UA-2400 significantly improves sprayability and ease-of-use while converting Kirker's Single-Stage Urethane Topcoats into a fast-drying, low-gloss basecoat-like finish. Anti-Mottle Technology stabilizes metallic and pearl particles, locking them in place for an even, streak-free finish. When used together, ULTRA-GLO and ULTRA-LOCK combine the same ease-of-use benefits of traditional basecoats with the superior adhesion, durability and other performance properties of today's most advanced urethane topcoats.

This additive may also be used Kirker's SPECTRA Series Urethane Candy Color system.

COATING TYPE:

Component: Low-VOC Urethane Additive

PRODUCT CODE:

UA-2400

WEIGHT PER GALLON:

7.95 lbs

PACKAGE MEASURE:

1 US Quart / 32 fl. oz. / 0.946 Liters

SURFACE PREP

Whether using ULTRA-LOCK with ULTRA-GLO Urethane Topcoat or not, starting with a clean, well-prepped surface is always an important first step.

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 Single Stage Urethane Topcoats may 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.



MIXING

Be sure to thoroughly shake, then stir contents of ULTRA-LOCK before using. The contents may settle over time due to high material density.

ULTRA-LOCK is designed to be mixed into Kirker's ULTRA-GLO Single-Stage Urethane Topcoat colors at a 3:1:1 ratio. For every three (3) parts of SSU color, mix one (1) part of the appropriate Activator (UA-1600M or UA-1600S), depending on air flow and temperature at the time of application, and one (1) part of ULTRA-LOCK (UA-2400).

ULTRA-LOCK may also be used with the SPECTRA Series Urethane Candy Topcoat system. When using in the candy color system, the mix ratio should be 4:1:1 by volume, or four (4) parts candy color to one (1) part Activator (0175) to one (1) part ULTRA-LOCK (UA-2400).

POT LIFE

Approximately two hours at 70°F.

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

APPLICATION

After integrating the ULTRA-LOCK Metallic Control Additive / Basecoat Converter, ULTRA-GLO Urethane Topcoat colors and SPECTRA Series Urethane Candy colors will no longer be suitable for use in single-stage applications. That is, the color must be applied as a basecoat and requires the use of a urethane clear coat for durability.

Apply the converted paint in 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). Typically, most colors will cover in two (2) to three (3) medium wet coats; however an additional coat may be required when using UA-2400, which dilutes the pigment concentration in the mix to some extent.

ULTRA-LOCK's Anti-Mottle Technology stabilizes metallic and pearl effect pigments, locking them in place for an even, streak-free finish. If urethane colors still don't lay out in a uniform pattern, a final drop coat may be applied immediately after the previous wet coat for further improved uniformity. A dry film thickness of 2 mils is recommended.

For more specific information about shooting Kirker's ULTRA-GLO Urethane Topcoat Colors or SPECTRA Series Urethane Candy Topcoats, please refer to the appropriate Technical Data Sheet.

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: | 10-15 min | End of cycle |
| Tack Free: | 20-40 min | End of cycle |
| Clearcoat: | 30-40 min | 20 minutes after cycle |
| Tape: | 4-6 hours | 20 minutes after cycle |
| Full Cure: | 18 hours | 20 minutes after cycle |

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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