



TECHNICAL DATA SHEET

ULTRA H/S URETHANE CLEARCOAT

EC300 ULTRA is a premium high-solids acrylic urethane system designed for professional refinish and restoration shops requiring superior performance from their clearcoat. This fast drying, easy-to-apply 4:1 clear provides exceptional flow and leveling, yielding beautiful gloss and distinctness of image with excellent resistance to shrinkage and dieback.

Designed for use with Kirker's single-stage paint systems or 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:

EC300

ACTIVATORS:

3065

3075

3085

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).

ULTRA 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 EC300 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 ULTRA H/S Urethane Clearcoat (EC300) with one (1) part H/S Urethane Clearcoat Activator (3065, 3075 or 3085).

TO MIX	10 oz	25 oz	35 oz
CLEAR	8 oz	20 oz	28 oz
ACTIVATOR	2 oz	5 oz	7 oz

Use up to one (1) full part of Urethane-Grade Reducer or Low-VOC Urethane Reducer to improve sprayability. The result will be a 4:1:1 mix ratio.

TO MIX	12 oz	24 oz	36 oz
CLEAR	8 oz	16 oz	24 oz
ACTIVATOR	2 oz	4 oz	6 oz
REDUCER	2 oz	4 oz	6 oz

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

BELOW 70°	70-80°	ABOVE 80°	ABOVE 90°
FAST	MEDIUM	SLOW	SUPER SLOW
3065	3075	3085	N/A
UR-9065	UR-9075	UR-9085	UR-9095
UR-8065	UR-8075	UR-8085	UR-8095
LVR-565	LVR-575	LVR-585	LVR-595

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 EC300 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).

ULTRA may also be integrated into the final coat of Kirker's ULTRA-GLO single-stage urethane system for increased gloss and durability. This step is not necessary if planning to apply a separate clearcoat. Kirker's ULTRA Clear 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 mix ratios.

DRY TIMES

	AIR DRY	FORCE DRY (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

EC300 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, EC300 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, EC300 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.

CONTACT FOR MORE INFO

(800) 307-7951 Toll Free
info@kirkerautomotive.com
www.KirkerAutomotive.com