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.
ULTRA H/S URETHANE CLEARCOAT
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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).

<table>
<thead>
<tr>
<th>TO MIX</th>
<th>10 oz</th>
<th>25 oz</th>
<th>35 oz</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLEAR</td>
<td>8 oz</td>
<td>20 oz</td>
<td>28 oz</td>
</tr>
<tr>
<td>ACTIVATOR</td>
<td>2 oz</td>
<td>5 oz</td>
<td>7 oz</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>TO MIX</th>
<th>12 oz</th>
<th>24 oz</th>
<th>36 oz</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLEAR</td>
<td>8 oz</td>
<td>16 oz</td>
<td>24 oz</td>
</tr>
<tr>
<td>ACTIVATOR</td>
<td>2 oz</td>
<td>4 oz</td>
<td>6 oz</td>
</tr>
<tr>
<td>REDUCER</td>
<td>2 oz</td>
<td>4 oz</td>
<td>6 oz</td>
</tr>
</tbody>
</table>

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

BELOW 70°
FAST 70-80° ABOVE 80° ABOVE 90°
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.

<table>
<thead>
<tr>
<th>GUN TYPE</th>
<th>TIP SIZE</th>
<th>AIR PRESSURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conventional Siphon</td>
<td>1.4-1.8 mm</td>
<td>45-55 psi</td>
</tr>
<tr>
<td>Conventional Gravity</td>
<td>1.3-1.6 mm</td>
<td>45-55 psi</td>
</tr>
<tr>
<td>HVLP</td>
<td>1.3-1.5 mm</td>
<td>8-10 psi</td>
</tr>
</tbody>
</table>

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
<table>
<thead>
<tr>
<th></th>
<th>AIR DRY</th>
<th>FORCE DRY (bake 40 min. at 140°F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dust Free</td>
<td>10 minutes</td>
<td>End of cycle</td>
</tr>
<tr>
<td>Tack Free</td>
<td>3 hours</td>
<td>End of cycle</td>
</tr>
<tr>
<td>Tape:</td>
<td>8 hours</td>
<td>20 minutes after cycle</td>
</tr>
<tr>
<td>Polish:</td>
<td>8-12 hours</td>
<td>20 minutes after cycle</td>
</tr>
<tr>
<td>Stripe:</td>
<td>Next Day</td>
<td>20 minutes after cycle</td>
</tr>
<tr>
<td>Deliver:</td>
<td>Next Day</td>
<td>20 minutes after cycle</td>
</tr>
<tr>
<td>Decal:</td>
<td>48 hours</td>
<td>20 minutes after cycle</td>
</tr>
</tbody>
</table>

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.

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