



TECHNICAL DATA SHEET

HOT ROD BLACK SINGLE STAGE URETHANE TOPCOAT

Hot Rod Black is an activated, two-component single-stage urethane topcoat, available in two distinct low-gloss finishes.

UA-70388, combines the super smooth satin finish of days gone by with today's most durable coatings technology.

UA-70389 dries to a near completely flat matte finish.

The advanced acrylic urethane resins in both versions provide exceptional exterior durability and resistance to UV and chemicals, while standing up to scratching, scuffing and marring from everyday use. Designed to flow easily and give complete coverage in two medium wet coats.

This versatile coating may be used for overall refinish projects or accent work anytime a beautifully smooth low-gloss finish is desired. May also be used on trim, interior parts, chassis, firewalls and even commercial/transportation vehicle hoods to reduce sun glare.

- ◆ 2.8 VOC meets even the most stringent regulations
- ◆ Easy 3:1 mix ratio, no additional reduction required
- ◆ Excellent coverage, flow and leveling
- ◆ Super protection against UV, weather, chemicals
- ◆ Stands up to scratching, scuffing and marring
- ◆ Won't chalk or fade

COATING TYPE:

Low-VOC Urethane Topcoat (single-stage)

PRODUCT CODES:

UA-70388 / UA-70388QT

UA-70389 / UA-70389QT

ACTIVATOR:

UA-1600M

UA-1600S

WEIGHT PER GALLON:

8.43-8.62 (varies by version)

PACKAGE MEASURE:

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

RTS VOC:

Varies by version (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).

HOT ROD BLACK may also be applied "wet on wet," over certain freshly applied undercoats including Kirker's DIRECT PRIME, PERFECT Prime, RAPID Prime and BLACK DIAMOND 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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MIXING

Mix ratio: 3:1 by volume. Thoroughly mix three (3) parts HOT ROD BLACK Urethane Topcoat 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
PAINT	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.

HOT ROD BLACK Urethane Topcoat may be reduced with any of Kirker's ULTRA-GLO Urethane-Grade Reducers or BLACK DIAMOND Low-VOC Reducers (choose 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

It is possible to achieve a variety of gloss levels by mixing Satin (UA-70388) and Matte (UA-70389) versions of Hot Rod Black together in different ratios. The two coatings are completely compatible with one another, so blending in any ratio will work. For consistency, and to ensure repeatability, basic mix ratios such as 1:1, 2:1 and 4:1 are recommended. Once the Satin and Matte products are blended together, the mixture still needs to be activated in the standard 3:1 ratio.

POT LIFE

Approximately two hours at 70°F.

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

GUN SETTINGS

GUN TYPE	TIP SIZE	AIR PRESSURE
Conventional Siphon	1.4-1.8 mm	40-50 psi
Conventional Gravity	1.4-1.6 mm	40-50 psi
HVLP	1.4-1.6 mm	8-10 psi

Always refer to gun manufacturer's recommendations for additional details on suggested tip size, air pressure and other adjustments.

APPLICATION

Apply Hot Rod Black Urethane Topcoat in two (2) medium wet coats as necessary to achieve the desired coverage, allowing five (5) to ten (10) minutes flat time between coats (+/- depending on air flow and temperature). This is a high-solids topcoat that builds fairly fast. A dry film thickness of approximately 2 mils is recommended. Excessive film build will result in higher gloss level.

Consistent spray pattern and application technique are important to prevent variations in the gloss level of the finished film.

FOR HIGHER SHEEN: Apply in slightly heavier coats, shooting more material from a closer distance.

FOR LOWER SHEET: Apply material "dry," shooting lighter coats from a greater distance.

If Hot Rod Black does not flow properly during application, adjust the gun settings and/or reduce material by about 10% with a Urethane-Grade Reducer or Low-VOC Reducer.

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.

	AIR DRY	FORCE DRY (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

HOT ROD BLACK Urethane Topcoat 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

Do NOT sand, polish or wax this topcoat. Doing so will increase the gloss, changing the appearance irreversibly.

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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