

The Black Diamond Low-VOC line from Kirker is designed to meet even the most stringent VOC standards.

This versatile primer system can be mixed and applied either as a High-Build 2K Urethane Primer Surfacer or as a premium-quality Wet-on-Wet Urethane Primer Sealer.

Used as a High-Build Primer Surfacer, this system delivers maximum film build with excellent filling capabilities and superior sandability (wet or dry). Used as a Primer Sealer, it features exceptional throughput efficiency with maximum color and gloss holdout. Creates a super smooth foundation for basecoats. Resists sand scratch swelling, dries quickly and features exceptional flexibility.

- ◆ Low VOC formula (2.1 lbs/gallon)
- ◆ High Build formula
- ◆ Sands easily with no waxy skin to break through
- ◆ Exceptional flexibility
- ◆ May be tinted with SSU or Basecoat color
- ◆ Available in two colors

COATING TYPE:

2K Urethane Primer Surfacer

PRODUCT CODES:

UP751 (Buff)

UP752 (Gray)

ACTIVATOR:

LVA-375 (Medium/Spot repair)

LVA-385 (Slow/Panel repair)

LVA-395 (Super Slow/Overall repaint)

WEIGHT PER GALLON:

10.65 – 10.88 lbs (varies by color)

PACKAGE MEASURE:

1 US Gallon / 128 fl. oz. / 3.785 Liters

RTS VOC:

Varies by color (will not exceed 2.1 lbs/gallon)

RTS Viscosity:

20-22 seconds, #2 Zahn cup



SURFACE PREP

BLACK DIAMOND 2K Urethane Primer Surfacer is a versatile low-VOC coating that may be applied over a variety of substrates.

For use over ENDURO-PRIME:

Kirker's 2-part epoxy primer provides an excellent foundation in many situations. BLACK DIAMOND Low VOC 2K Urethane Primer Surfacer may be applied directly over ENDURO-PRIME after sufficient flash time (30-60 minutes, depending on number of coats applied). If more than a week has passed since application, epoxy primer must first be scuff sanded before topcoating with BLACK DIAMOND 2K Urethane Primer to ensure sufficient adhesion.

For bare metal:

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 180 grit, then re-clean with final wash cleaner (such as Kirker's 600 Surface Wash). A chemical pre-treatment (such as Kirker's 6860 DTM PREP) will further enhance adhesion over bare metal. This etching acid/solvent blend should be applied one section at a time with a clean cloth, then wiped down with another clean, dry cloth.

For factory finishes:

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 320 - 400 grit, then re-clean with final wash cleaner (such as Kirker's 600 Surface Wash).

BLACK DIAMOND LOW VOC 2K URETHANE PRIMER SURFACER

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MIXING

Mix ratio: 4:1 by volume. Thoroughly mix four (4) parts BLACK DIAMOND 2K Urethane Primer (UP751, UP752) with one (1) part BLACK DIAMOND Universal Low VOC Urethane Activator (LVA-375, LVA-385, LVA-395).

TO MIX	15 oz	25 oz	35 oz
PRIMER	12 oz.	20 oz.	28 oz.
ACTIVATOR	3 oz.	5 oz.	7 oz.

No additional reduction is required, though reducing the 4:1 mix may improve sprayability and will decrease the total film build, which is desirable in situations where a sealer is called for.

BLACK DIAMOND Low VOC 2K Urethane Primer Surfacers 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
UR-9065	UR-9075	UR-9085	UR-9095
UR-8065	UR-8075	UR-8085	UR-8095
LVR-565	LVR-575	LVR-585	LVR-595

TINTING

BLACK DIAMOND Low VOC 2K Urethane Primer Surfacers may be tinted to improve topcoat hiding and color holdout by adding up to four ounces of activated BLACK DIAMOND Low VOC Urethane Basecoat paint to each gallon of ready-to-spray primer (or up to one ounce of basecoat per ready-to-spray quart of primer).

Please note: This tint ratio will not yield a different color primer, though it will help sway the primer toward a shade closer to your topcoat color choice, which will help to provide better topcoat coverage. For best results, use a solid mass tone color to tint primer.

POT LIFE

Approximately one-and-a-half to 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.

As a High-Build Primer Surfacers

GUN TYPE	TIP SIZE	AIR PRESSURE
Conventional Siphon	1.7-2.0 mm	40-50 psi
Conventional Gravity	1.6-2.0 mm	40-50 psi
HVLP	1.5-1.7 mm	8-10 psi

As a Wet-on-Wet Primer Sealer

GUN TYPE	TIP SIZE	AIR PRESSURE
Conventional Siphon	1.5-1.6 mm	40-50 psi
Conventional Gravity	1.4-1.6 mm	40-50 psi
HVLP	1.2-1.4 mm	8-10 psi

APPLICATION

As a High-Build Primer Surfacers

Apply three (3) medium wet coats to achieve desired film build, allowing 15 minutes flash time between coats. A total dry film build of 4+ mils is recommended. Additional coat(s) may be applied after sanding primer smooth if necessary to continue building surface.

As a Wet-on-Wet Primer Sealer

Apply one light coat (taking care not to solvent soak feather edge areas) allow 10-15 minutes, then apply one medium coat. Allow 20-30 minutes before topcoating with color.

DRY TIMES / RECOAT

As a wet-on-wet Primer Sealer, allow a minimum of 20-30 minutes before topcoating. After a sufficient flash period, BLACK DIAMOND Low-VOC Urethane Primer may be topcoated for up to 4-6 hours with no sanding required. After six (6) hours, primer sealer must be sanded before topcoating to ensure sufficient adhesion. BLACK DIAMOND Low-VOC Urethane Basecoat and ULTRA-GLO single-stage acrylic urethane topcoats may be applied directly over BLACK DIAMOND Low-VOC wet-on-wet Primer Sealer after sufficient flash time has passed.

As a Primer Surfacers coating will dry dust-free within 15 minutes and may be sanded after approximately three to six hours depending upon film thickness and number of coats applied. Air-dry times may vary slightly depending on activator and reducer selection, shop temperatures, airflow and total film thickness. All dry times listed are approximate, at 70 - 75 F. Force dry for 40 minutes at 140° after a 15-20 minute flash, then allow 20 minutes for cool down before sanding. Sands after 10-20 minutes on a short wave IR lamp (30-60 minutes on a medium wave IR lamp).

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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