

PERFECT PRIME

2K Urethane Primer Surfacer



TECHNICAL DATA SHEET

PERFECT PRIME is a two-component urethane primer surfacer designed for overall repair and refinish work. It features excellent fill and fast-building qualities. Super easy to sand (wet or dry), PERFECT PRIME cures quickly with no waxy skin to break through. Provides excellent topcoat color holdout.

Available in buff and gray, PERFECT PRIME may be applied over a variety of substrates including properly prepared factory paint, body filler and fiberglass, as well as treated bare metal, and Kirker's ENDURO PRIME epoxy primer. Features exceptional flexibility and adhesion.

- National Rule Compliant
- Good flow and leveling
- High build
- Sands easily, with no waxy skin to break through
- Exceptional flexibility
- May be tinted with ULTRA-GLO color

COATING TYPE:

2- Component Urethane Primer Surfacer
For overall repairs

PRODUCT CODE:

UP731 (Buff)
UP-732 (Gray)

ACTIVATOR:

UPC73

REDUCERS:

UR-9065 / UR-8065 Fast (Low temp)
UR-9075 / UR-8075 Medium (Mid temp)
UR-9085 / UR-8075 Slow (High temp)
UR-9095 / UR-8095 Super slow (Very high temp)
UE-8000 Universal Zero-VOC Reducer



PHYSICALS:

Appearance: Buff or gray
Weight per Gallon: 10.8 – 11.5 lbs (Varies with color)
Package Measure: 1 U.S. gallon / 128 fl. oz. (3.785 liters)
RTS VOC: 4.74 lbs/gallon (568 g/L)



SURFACE PREP:

PERFECT PRIME is a versatile urethane primer surfacer 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. PERFECT PRIME 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 PERFECT PRIME to ensure sufficient adhesion.

For bare metal:

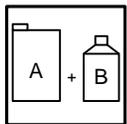
Remove all traces of wax, grease, silicone, oil and other contaminants with detergent wash, followed with a solvent wash (such as Kirker's 650 Wax & Grease Remover). Abrade substrate with 180 grit, then re-clean with final wash cleaner (such as Kirker's 600 Surface Wash).

A chemical pre-treatment (such as Kirker's R-6820 Self-Etching Reducer) 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).

Be sure to mask all adjacent panels to prevent dry overspray.



MIXING:

Mix ratio: 4:1 by volume. Thoroughly mix four (4) parts PERFECT PRIME (UP731 or UP732) with one (1) part Activator (UPC73).

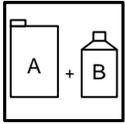
No additional reduction is required, though reducing the 4:1 mix may improve sprayability and will decrease the total film build, which is desirable in situations where a sealer is called for. PERFECT PRIME may be reduced with one of Kirker's urethane-grade reducers (chosed from the list below depending on the anticipated shop temperature at the time of application), or by up to 20% with Kirker's Universal Zero-V.O.C. Reducer, UE-8000. As an exempt reducer, UE-8000 will not increase the V.O.C. of PERFECT-PRIME. For maximum fill/build properties do not add reducer.

Temperature range	Less than 70° F	70° F - 80° F	80° F – 90°F	Above 90°F
Reducer (Gallon)	UR-9065 (Gal)	UR-9075 (Gal)	UR-9085 (Gal)	UR-9095 (Gal)
Reducer (Quart)	UR-8065 (Qt)	UR-8075 (Qt)	UR-8085 (Qt)	UR-8095 (Qt)
Speed	FAST	MEDIUM	SLOW	SUPER SLOW

Caution: Mix only as much material as you will need to complete the immediate job.



UP731, UP732	4oz	12 oz.	20 oz.	28 oz.
UPC73 Activator	1 oz.	3 oz.	5 oz.	7 oz.
TOTAL MIXTURE	5 oz.	15 oz.	25 oz.	35 oz.



TINTING:

PERFECT PRIME may be tinted to improve topcoat hiding and color holdout by adding up to four ounces of activated ULTRA-GLO single-stage urethane paint to each gallon of ready-to-spray primer (or up to one ounce ULTRA-GLO per ready-to-spray quart of primer).

Be sure to properly mix both primer and paint with their correct activators, at the correct ratios before blending the two together.

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 masstone color to tint primer.

Caution: Mix only as much material as you will need to complete the immediate job.



POT LIFE:

Approximately 2 hours at 70°F

Caution: Pot life is significantly shorter at elevated temperatures and in humid conditions. These environmental factors also may affect flow and leveling during the application process.



GUN SETTINGS:

<u>GUN TYPE</u>	<u>TIP SIZE</u>	<u>AIR PRESSURE</u>
Conventional Siphon Feed:	1.4 mm – 1.8mm	40-50 psi at the gun
Conventional Gravity Feed:	1.4 mm – 1.6 mm	40-50 psi at the gun
HVLP	1.2 mm – 1.6 mm	8-10 psi at the tip

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



APPLICATION:

Apply two (2) medium wet coats to achieve desired film build, allowing 15 minutes flash time between coats. A total dry film build of 2 mils is recommended.

Additional coat(s) may be applied after sanding primer smooth if necessary to continue building surface.



DRY TIMES / RECOAT:

Allow a minimum of 30 minutes for PERFECT PRIME to dry before topcoating.

After sufficient flash, PERFECT PRIME may be topcoated for up to 18 hours with no sanding required. After 18 hours, scuff sand primer surfacer before topcoat application to ensure sufficient adhesion.

PERFECT PRIME should dry dust free within 10 minutes and may be wet sanded after approximately 2-4 hours. Wait 3-4 hours before attempting to sand dry.

ULTRA-GLO acrylic urethane and ACRYL-GLO acrylic enamel single-stage topcoats may all be applied directly over PERFECT-PRIME in a "wet on wet" application after sufficient flash time has passed.

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.



CLEANUP:

Close all containers tightly after each use. Clean gun and spray equipment with gun wash or other appropriate solvent products immediately after application to prevent damage.

Shelf life of UPC73 Activator is limited once can has been opened. This product is extremely susceptible to oxygenation and exposure to moisture. Therefore, containers should be closed tightly after each use, with a clean seal, as quickly as possible. Also, activators should be stored at a consistent temperature to prevent the formation of potentially damaging condensation inside of the can.



HEALTH / SAFETY PRECAUTIONS:

THIS PRODUCT IS INTENDED FOR USE BY PROFESSIONALS ONLY.

USE THIS PRODUCT ONLY WITH ADEQUATE VENTILATION: Wear appropriate, properly fitted fresh-air-supplied NIOSH/MSHA-approved respirator (TC-19C or equivalent) as directed by the manufacturer. Protect hands with impervious nitrile gloves. Always wear eye and face protection. Individuals with lung or breathing problems should neither use nor be exposed to this product, its vapors or spray mist. **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 Material 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.

FOR ADDITIONAL INFORMATION:



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