

# RAPTOR®

**TOUGH AND TINTABLE**  
PROTECTIVE COATING





# About **RAPTOR**

U-POL RAPTOR Tough and Tintable Protective Coating is a durable urethane coating that provides surfaces with a protective barrier that can withstand the toughest situations.

Developed to tolerate most climatic conditions, RAPTOR is UV resistant and won't fade or "chalk" even after years in the sun. RAPTOR is also waterproof and protects surfaces from rust making it perfect for substrates that will be submerged in water, including salt water.

RAPTOR's versatility makes it perfect for almost any application. Spray or roll RAPTOR on high traffic areas; it's scratch and stain resistant and easy to clean, simply hose it off. Its flexible formulation can handle impacts without cracking, making it perfect for its most popular application as a truck bedliner.

RAPTOR is unlike other bedliners or protective coatings. 2-component urethane technology far surpasses the durability of epoxy and 1-component coatings. And in case it does scratch (which is tough to do!), RAPTOR can easily be repaired. You can't do that with most of the other bedliners and protective coatings!

RAPTOR protects industrial surfaces in the harshest environments as well as the smaller surfaces we rely on every day. It's durable, tintable, looks great and lasts a long time. When you need a surface protection solution that can stand up to the elements, choose RAPTOR!

# About **U-POL**

U-POL invests in new product development to provide our customers with continuous innovations around the globe. With a proven track record of more than 60 years, our customers have trusted us to deliver high quality service, sales support and products that enable them to do the job right the first time.



# RAPTOR Applications



## **AUTOMOTIVE**

- Bedliner
- Automotive Undercoating
- Total Body Protection
- Running Boards
- Body Panels
- Trunk Interior
- SUV Floors
- Roll Bars
- Wheel Arches
- Chassis and other parts



## **HOME**

- Porches
- Garage Floors
- Steps, Paths & Walkways
- Wood Decks
- Patios
- Ladder Steps
- Wheelbarrows
- Wagons
- Basement Walls & Floors
- Tool Boxes
- Gates
- Pool Decks



## **COMMERCIAL**

- Wheelchair Ramps
- Work Benches & Floors
- Railings
- Air Conditioners
- Car Washes
- Van & Trailer Interior
- Lift Gates
- Cargo Holds
- Aircraft Hanger
- Cargo Van Interior
- Curb Ramps
- Rail Boxcar Floors
- Tanker & Hopper Cars
- Recycle & Trash Cans
- Shower Floors
- Fork Lifts
- Cold Storage Areas



## **RECREATIONAL**

- Camper Shells
- Jet Ski Decks
- Snowmobile Decks
- RV Roofs
- Interior Trailers
- Utility & ATV Trailers
- Boat Trailers
- Recreational Trailers
- Tow & Semi Trailers
- Hitches
- Animal Trailers
- Park Benches
- Skate Parks
- Sporting Equipment



## **INDUSTRIAL**

- Containment Areas
- Truck Hoppers
- Loading Ramps & Docks
- Equipment Handles
- Asphalt Coverings
- Equipment Buckets
- Machinery Casings
- Tanker Trucks
- Cinder Block Walls
- Spreaders
- Storage Propane & Tanks
- Sewage Treatment Tanks
- Mining Equipment
- Steel Beams
- Pipelines Exterior
- Stairwells & Hand Rails
- Work Stations



## **MARINE**

- Boat Decks & Hulls
- Docks & Ramps
- Cabin Floors
- Inboard Boat Components
- Engine Parts
- Oar Tips
- Aluminum Boats
- Bay Boats
- Kayaks & Sailboats
- Bilge Areas



## **AGRICULTURAL**

- Tractor Beds
- Horse Trailers
- Silos
- Farm Equipment
- Plows
- Live Stock Housing



*...and so much more!*



**NEW!**



## 1 LITER & ROLLABLE **RAPTOR** KITS

The NEW 1 Liter RAPTOR Kit is ideal for smaller applications and touch-ups. Each kit contains 1 sprayable liter of RAPTOR for about 30 square feet of coverage. RAPTOR Rollable Kits are easy to apply. A kit includes everything you need to cover a standard sized truck bed. All kits are packaged in an eye-catching retail box.

1 Liter Kits	Item Number	Case Qty
1 Liter Kit Black NR	UP4801	6
1 Liter Kit Tintable NR	UP4802	6
1 Liter Kit Black 2.6 VOC	UP4803	6
1 Liter Kit Tintable 2.6 VOC	UP4804	6
1 Liter Kit Black 1.7 VOC	UP4805	6
1 Liter Kit Tintable 1.7 VOC	UP4806	6
2 Liter Rollable Kit Black NR	UP4810	4

## 4 LITER **RAPTOR** KITS

The 4 Liter RAPTOR Kit is the industry standard in bedliner coating. Each kit contains four 750ml bottles of RAPTOR and one 1L tin of Hardener. Each kit covers approximately 125 square feet, enough to do a full size pick-up truck bed. Compatible with both RAPTOR standard and professional application guns.

4 Liters Kits	Item Number	Case Qty
4 Liter Kit Black NR	UP0820	1
4 Liter Kit Tintable NR	UP0821	1
4 Liter Kit Black 2.6 VOC	UP0820V	1
4 Liter Kit Tintable 2.6 VOC	UP0821V	1
4 Liter Kit Black 1.7 VOC	UP0825	1
4 Liter Kit Tintable 1.7 VOC	UP0829	1

## 5 LITER **RAPTOR** PAILS 3:1 MIX RATIO

The NEW 5 Liter RAPTOR Pails are ideal for large areas like trailers, floors, heavy equipment and full oversprays. Mix 3:1 (15 liters of RAPTOR to 5 liters of hardener) to make more than 5 sprayable gallons of RAPTOR that will cover about 625 square feet! Can be brush applied or sprayed through pneumatic or conventional HVLP spray equipment.

5 Liters Pails (3:1 Mix Ratio)	Item Number	Case Qty
5 Liter Black- NR	UP4850	2
5 Liter Black Tintable - NR	UP4851	2
5 Liter Hardener 2.6 VOC	UP4824	2



## **RAPTOR** DRUMS - 3:1 MIX RATIO

The 200 Liter RAPTOR drum will provide you the coverage and protection you need for large and OEM applications. Contact your local RAPTOR Sales Technician for local distributors and to assist in your applications.

200 Liter Drums (3:1 Mix Ratio)	Item Number	Case Qty
200 Liter Black 2.6 VOC	UP4870	1
200 Liter Tintable 2.6 VOC	UP4871	1
200 Liter Tintable 1.7 VOC	UP4873	1
25 Liter Hardener 2.6 VOC	UP4874	1



## **RAPTOR** MERCHANDISERS

The RAPTOR free standing merchandising system provides everything you need to get into the highly profitable bedliner and coating business today!

Merchandisers	Item Number	Case Qty
Free Standing Merchandiser NR*	UP4899	1
Free Standing Merchandiser 2.6 VOC*	UP4898	1
1/4 Pallet Cardboard Display - Available 2017!*	UP4891	1

\*Contact your local Sales Technician for available product assortments



## **RAPTOR** ACCESSORIES

U-POL offers a complete line of accessory products to prep, apply and upgrade your RAPTOR application.

Accessories	Item Number	Case Qty
Standard Application Gun	UP0726	5
Adjustable Nozzle Professional Application Gun	UP4880	6
Traction Slip Resistant Additive (200 Grams)	UP4800	20
ACID#8 Acid Etch Primer Aerosol - Black	UP0741V	6
GRIP#4 Universal Adhesion Promoter Aerosol	UP0799	6

For a complete line of auto collision repair products, visit:

www.**U-POL**.com



# RAPTOR Application & Procedure Guide

**RAPTOR is a textured coating suitable for use over the following properly prepared substrates:**

OEM paint, primed metal, primed aluminum, primed galvanized, fiberglass, SMC, wood, concrete and powder coat

**Process tools required:** RAPTOR product, safety glasses, respirator, 120-180 grit sandpaper, red scuff pads, U-POL Application Gun (UP0726) or roller brush



## CLEAN SUBSTRATE

Remove all loose material and rust. Clean and degrease surface with wax and grease remover (UP2012 or UP2022).



## SAND SUBSTRATE

Sand surface with 80-180 grit sandpaper. Use red scuff pad for difficult to sand areas. Re-clean the surface. RAPTOR can be directly applied over painted surfaces that have been cleaned and sanded.



## PRIME SURFACE

Spot prime any areas where bare metal has been exposed in **Step 2**. Bare metal, aluminum or galvanized surfaces must be primed with an etch primer like ACID#8 (UP0741V), or a DTM epoxy or urethane primer following manufacturer's recommendations. Use GRIP#4 (UP0799) in hard to reach areas.



## MIX RAPTOR

RAPTOR has a 3:1 mix ratio. Pour 250ml of the RAPTOR hardener into the pre-filled bottle of 750ml of RAPTOR coating or combine RAPTOR and hardener at a 3 parts RAPTOR to 1 part hardener ratio in a separate container. For tinting, please consult the technical datasheet.



## SHAKE

Shake bottle or stir (if mixing in separate container) for 2 minutes to thoroughly mix the product.



## SHOOT

Attach application gun to bottle. Adjust supplied air pressure to 40-60 PSI depending on desired texture. At a distance of 18 - 30 inches, apply to the prepared surface in a sweeping motion to obtain desired texture. Pot life: approximately 60 minutes.



## ADDITIONAL COATS

2 or 3 light coats are better than one heavy coat. If applying more than one coat, allow RAPTOR to flash 60 minutes between coats. If more than 5 hours between coats, allow it to set overnight, lightly scuff and apply additional coat(s).



## TOP COATING

RAPTOR can be over painted with most modern paint systems. Allow RAPTOR to dry for 24 hours, scuff with fine scuff pad, clean, apply top coat or clearcoat if desired.



## DRY TIMES

Dry to Touch: 1 hour.  
Light Duty Use: 2-3 days.  
Heavy Duty Use: 7 days.



## EQUIPMENT CLEAN UP

Clean gun, equipment and over spray with lacquer thinner or acetone before RAPTOR is fully cured.

# RAPTOR Specification

<b>MIX RATIO</b>	3:1
<b>TINTABLE MIX</b>	By Weight: 1000g= 777g coating + 223g hardener + 50g color By Volume: 5-10% of 2K solvent based toners
<b>REDUCER</b>	Not required. Up to 20% standard reducer optional
<b>VOC</b>	See Technical Datasheet. National Rule, 2.6, and 1.7 lbs/gallon formulations available
<b>COMPATIBILITY</b>	Properly prepared steel, aluminum, wood, paint, epoxy primer, plastic, E-Coat, glass, vinyl, polyesters, GRP, SMC, PPO, fiberglass, SMC, concrete, and ceramics.
<b>PREP</b>	See TDS for specific substrate preparation
<b>RAPTOR APPLICATION GUNS</b>	40-60 PSI, 5-8 CFM. No reduction required. 1 Liter RAPTOR bottles are European Thread
<b>GUN NOZZLE</b>	HVLP 1.7-2.5mm, 8-12 CFM. Optional reduction up to 20%
<b>AIR PRESSURE</b>	40-60 PSI
<b>COATS</b>	2 to 3 coats maximum. 1 Coat: 7 MILs, 2 Coats: 12 MILs, 3 Coats: 15 MILs
<b>FLASH OFF TIME</b>	60 Minutes Rollable or RAPTOR Application Gun, 35 minutes HVLP
<b>CURE TIMES</b>	1 hour touch, 12 to 72 hours in light duty service, depending on coating thickness
<b>POT LIFE</b>	60 minutes @ 68°F
<b>COVERAGE</b>	1 liter covers approximately 30 square feet. One 4 Liter Kit will cover an average 8' truck bed. Two 4 Liter Kits will coat an average Jeep body using HVLP gun
<b>RESISTANT TO</b>	Solvents, xylene, bleach, phosphoric acid, hydrochloric acid, hydraulic fluid, brake fluid, Skydrol™, gasoline, diesel fuel, alcohol, salt water, animal urine
<b>IMPACT RESISTANCE</b>	7-days 10/10, 30-days 9/10, 90 days 9/10
<b>TEMPERATURE RESISTANCE</b>	212° F (100°C)
<b>WATER SOAK</b>	100°F @ 200 hours PASS
<b>SALT SPRAY</b>	No defects 400 hours PASS
<b>FLAMMABILITY</b>	ISO 3795, FMVSS 302, BS AU 169A PASS
<b>QUV</b>	RLB 60° Gloss: Initial 10.7, after 5000 Hours 10.2
<b>OTHER CERTIFICATIONS</b>	Skydrol™ ASTM D1308, Traction BS 7976-2





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