

THE TOUGH GUIDE

TO A PERFECT TOUGH FINISH



RAPTOR
KING OF TOUGH

**FOR
WHEN
THE GOING**

**GETS
TOUGH**

With over 70 years experience in developing high quality coatings RAPTOR is as tough as it gets.

It's UV resistant so it won't fade, it doesn't scratch or stain and it's easily applied by spray or roller - you can even pick your color.

And in case you were wondering - it looks awesome too!

Fair to say that when the going gets tough you can rest assured we're with you all the way.

TOUGH PROTECTIVE COATINGS

www.raptorcoatings.com

**RAPTOR
KING OF
TOUGH**

SOME TOUGH REASONS TO RAPTOR

ROLL-ON / SPRAY-ON

1. IT'S REALLY EASY TO APPLY

Simply fill, shake and shoot - or roller on if you prefer



2. CAN BE APPLIED TO ALMOST ANY SURFACE

Including metal, plastic, concrete and wood



3. CAN BE TINTED TO ANY COLOR



FOR MORE REASONS TO CHOOSE RAPTOR GO TO www.raptorcoatings.com

TOUGH PROTECTIVE COATINGS

www.raptorcoatings.com

4. TOUGHNESS COMES IN AN AEROSOL



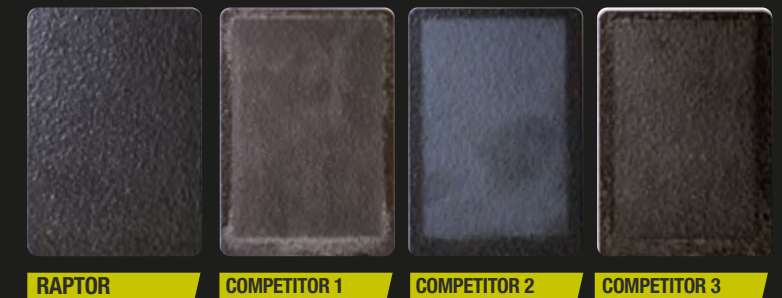
5. WATERPROOF



6. CHEMICAL PROOF AND RUST PROOF!

7. U.V. RESISTANT SO IT WON'T FADE OR "CHALK" IN THE SUN

AFTER 8 YEARS IN THE SUN...



RAPTOR

COMPETITOR 1

COMPETITOR 2

COMPETITOR 3

8. SLIP RESISTANT ADDITIVE

The use of Raptor Traction with Raptor produces a slip resistant surface as defined by BS 7976-2 and ASTM E303-93



**RAPTOR
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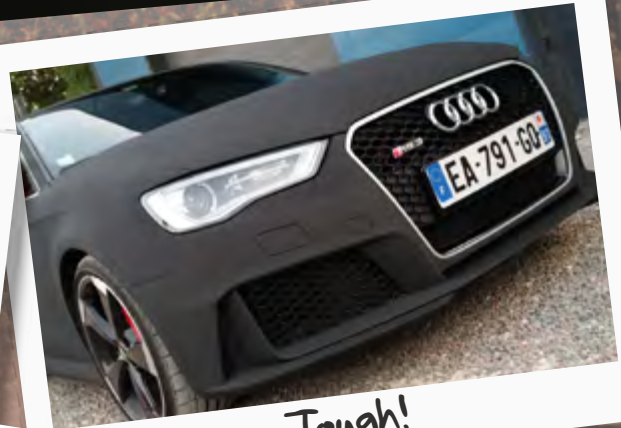
TOUGH ALL OVER

RAPTOR'S ENDLESS POSSIBILITIES

How do you use RAPTOR?
Visit raptorcoatings.com and upload your image to the gallery



Tinted - RAPTOR Olive Green



Tough!



Camper Van - fully RAPTORED



Brilliant as a bed liner



...and underbody



Smart Harley



Fast and tough!



Hummer - fully RAPTORED



Land Rover Defender panels



Body sills and side step



Wheels



Fire truck RAPTOR flame red and yellow

RAPTOR
KING OF
TOUGH

THE TOUGH COLLECTION

RAPTOR KITS

RAPTOR kits are ideal for any size of application. Suitable to be used with spray guns, roller kits, brush and aerosol applications.

- 1-Bottle Kit contains 0.71L of RAPTOR and 0.24L of hardener
- 4-Bottle Kit contains 4 X 0.71L of RAPTOR, 0.95L of hardener and a measuring cup

Part Number	Description	Color	Units Per Case
UP4801	1 US Quart Kit National Rule	Black	6
UP4802	1 US Quart Kit National Rule	Tintable	6
UP4803	1 US Quart Kit 2.6 VOC	Black	6
UP4804	1 US Quart Kit 2.6 VOC	Tintable	6
UP0820	1 US Gallon Kit National Rule	Black	1
UP0821	1 US Gallon Kit National Rule	Tintable	1
U4807	1 US Gallon Kit National Rule	White	1
UP0820V	1 US Gallon Kit 2.6 VOC	Black	1
UP0821V	1 US Gallon Kit 2.6 VOC	Tintable	1
UP4808	1 US Gallon Kit 2.6 VOC	White	1
UP0825	1 US Gallon Kit 1.7 VOC	Black	1
UP0829	1 US Gallon Kit 1.7 VOC	Tintable	1



5L RAPTOR

The 5L RAPTOR tins are ideal for large areas such as trailers, floors, heavy equipment and full oversprays.

- Mix 3:1 to make more than 20L of RAPTOR and cover approximately 60m²
- This can be brush applied, rolled or sprayed through pneumatic or conventional spray equipment
- Also available in 200L drums - contact Customer Services for more information

Part Number	Description	Color	Units Per Case
UP4850	5 Liters Black National Rule	Black	2
UP4851	5 Liters Tintable National Rule	Tintable	2
UP4824	5 Liters Hardener 2.6 VOC	Hardener	2



RAPTOR 2K AEROSOL

The RAPTOR 2K Aerosol offers a fast, easy way to apply RAPTOR without compromising performance, no spray equipment necessary. The same durability of 2K RAPTOR with the convenience of an aerosol. Ideal for spot repairs and small jobs. Using RAPTOR is easy - Now you can spray RAPTOR 2K Bedliner Aerosol for a no mess, no clean-up application. It's easy!

- The durability of RAPTOR with the convenience of an aerosol
- Easy and convenient - activate using the valve on base
- Textured "gun" finish
- No need for spray equipment
- Ideal for both consumers and professionals

Part Number	Description	Color	Units Per Case
UP4883	13.2 oz. Aerosol	Black	6
UP4884	13.2 oz. Aerosol	Basalt Gray	6
UP4885	13.2 oz. Aerosol	White	6
UP4886	13.2 oz. Aerosol	Flame Red	6
UP4887	13.2 oz. Aerosol	Olive Green	6
UP4888	13.2 oz. Aerosol	Sepia Brown	6
UP4889	13.2 oz. Aerosol	Blue	6



NEW



RAPTOR 1K TOUGH UNDERCOAT AEROSOL

An easy-to-use 1K aerosol that gives a durable, abrasion-resistant textured finish, which acts as a barrier against stone damage and corrosion. Ideal for protecting underbodies, rocker panels and wheel wells from stone chips, salt damage, moisture and rust.

- Attractive textured, heavy duty finish
- Excellent adhesion to metal, aluminum, fiberglass and plastic
- Perfect for covering weld marks and seams
- Ideal for use inside engine compartment to help provide sound dampening
- Perfect set up for small/multiple use application
- Clog-free nozzle

Part Number	Description	Color	Units Per Case
UP4876	RAPTOR 1K Tough Undercoating	Black	6

NEW



RAPTOR 1K AEROSOLS

An easy-to-use 1K aerosol that gives a durable, abrasion-resistant textured finish, ideal for protecting truck beds and other vehicle surfaces from impact, scratches, corrosion, water and UV damage. RAPTOR Truck Bed Coating is 3X tougher than other 1K bedliner aerosols.

- Attractive, textured finish
- Excellent adhesion to metal, aluminum, fiberglass, plastic and wood
- Ideal for truck beds, tail gates, running boards, fender flares and more
- Perfect set up for small/multiple use application
- Clog-free nozzle

Part Number	Description	Color	Units Per Case
UP4877	RAPTOR 1K Truck Bed Coating, 14.3 oz	White	6
UP4878	RAPTOR 1K Truck Bed Coating, 14.3 oz	Gray	6
UP4879	RAPTOR 1K Truck Bed Coating, 14.3 oz	Black	6

NEW



RAPTOR FIBERGLASS REPAIR KIT

This RAPTOR Fiberglass Repair Kit contains everything you need to repair holes, splits and cracks in most types of surfaces including metal, wood, brick and hard plastics. As well as repairing auto body damage, it's also ideal for repairing all kinds of other items around the home and garden such as ponds, downpipes and gutters. It forms a tough, fiberglass reinforced plastic that bonds to most materials, can be easily molded and permanently retains its shape.

- Ideal for repairing automotive, marine and home surfaces including RVs, ATVs, boats and hot tubs
- Fast and easy to use
- Weatherproof and impervious to oil, water and many acids
- Coverage - an area of 6 sq ft

Part Number	Description	Units Per Case
UP5050	RAPTOR Fiberglass Repair Kit, 500ml	4

#RAPTORIZE YOUR RIDE IN COLOR!



Raptor Color is a concentrated tint for use with **Raptor Tintable Protective Coating**. Mix **Raptor Color** with **Raptor Tintable Base** to give a rich, UV resistant color that won't fade even after years in the sun. Available in a wide range of colors, choose either a single color or use different colors to create your own multi-colored, custom look.

Code	Size	Color	Case
UP4854	1.5 fl oz (45ml) Pouch	WHITE	4
UP4855	1.5 fl oz (45ml) Pouch	LIGHT GRAY	4
UP4856	1.5 fl oz (45ml) Pouch	BASALT GRAY	4
UP4857	1.5 fl oz (45ml) Pouch	BEIGE	4
UP4858	1.5 fl oz (45ml) Pouch	LIGHT BROWN	4
UP4859	1.5 fl oz (45ml) Pouch	SEPIA BROWN	4
UP4860	1.5 fl oz (45ml) Pouch	BLUE	4
UP4861	1.5 fl oz (45ml) Pouch	NAVY BLUE	4
UP4862	1.5 fl oz (45ml) Pouch	LIGHT GREEN	4
UP4863	1.5 fl oz (45ml) Pouch	GREEN	4
UP4864	1.5 fl oz (45ml) Pouch	PINE GREEN	4
UP4865	1.5 fl oz (45ml) Pouch	OLIVE GREEN	4
UP4866	1.5 fl oz (45ml) Pouch	YELLOW	4
UP4867	1.5 fl oz (45ml) Pouch	ORANGE	4
UP4868	1.5 fl oz (45ml) Pouch	FLAME RED	4

UP4854 WHITE / BLANCO 2K*	UP4857 BEIGE / BEIGE	UP4860 BLUE / AZUL 2K*	UP4863 GREEN / VERDE	UP4866 YELLOW / AMARILLO
UP4855 LIGHT GRAY / GRIS CLARO	UP4858 LIGHT BROWN / MARRÓN CLARO	UP4861 NAVY BLUE / AZUL MARINO	UP4864 PINE GREEN / VERDE PINO	UP4867 ORANGE / NARANJA
UP4856 BASALT GRAY / GRIS BASALTO 2K*	UP4859 SEPIA BROWN / MARRÓN SEPIA 2K*	UP4862 LIGHT GREEN / VERDE CLARO	UP4865 OLIVE GREEN / VERDE OLIVA 2K*	UP4868 FLAME RED / ROJO FUEGO 2K*

*Available in Raptor 2K Aerosol



THE TOUGH COLLECTION

CERTIFICATIONS & TEST RESULTS

PERFECT FOR...



RAPTOR 2K ANTI-CORROSIVE EPOXY PRIMER AEROSOL

RAPTOR Anti-Corrosive Epoxy Primer is a 2K high performance primer aerosol designed to be used under RAPTOR Protective Coating to further extend the protective and anti-corrosive properties of RAPTOR. The advanced resin technology improves adhesion to bare metal and most other prepared surfaces such as aluminum and galvanized. It contains a blend of anti-corrosive additives to inhibit rust and corrosion.

- Compatible with all standard water borne and solvent borne coatings
- Easy to activate. Once activated has up to 4 days pot life in can. No measurements and no gun to clean
- The RAPTOR Anti-Corrosive Epoxy Primer Aerosol covers approximately 0.75 - 1.0m² @ 70µ for 2 coats
- Adjustable spray nozzle suitable for larger repairs as well as precise, controlled application

Part Number	Description	Color	Units Per Case
UP4842	14.1 oz. Aerosol	Beige	6



RAPTOR ANTI-CORROSIVE EPOXY PRIMER

The RAPTOR Anti-Corrosive Epoxy Primer is a 2K high performance primer, specifically designed to be used under RAPTOR protective coating.

It contains a blend of anti-corrosive additives to help inhibit rust and corrosion and has excellent salt spray resistance*. RAPTOR Anti-Corrosive Epoxy Primer's advanced resin technology improves adhesion to bare metal and most other prepared surfaces, and promotes intercoat performance to further extend the life of RAPTOR protective coating.

- Can also be applied directly on to surface rust**
- Can be applied wet on wet
- The RAPTOR Anti-Corrosive Epoxy Primer covers approximately 5.88m² @ 75µ DFT per liter

Part Number	Description	Color	Units Per Case
UP4831	1L Kit	Gray	8
UP4830	5L Kit	Gray	1

RAPTOR ACCESSORIES

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

Part Number	Description	Units Per Case
UP4880	Professional Vari-Nozzle Application Gun	6
UP0726	Standard Application Gun	5
UP5023	Acid Etch Primer 450ml Aerosol - Gray	6
UP5024	Adhesion Promoter 450ml Aerosol - Clear	6
UP4800	Slip Resistant Additive Traction 200g Box - Clear	12
UP5028	Roller and Tray Kit	6



www.raptorcoatings.com

RAPTOR CURRENTLY HAS BEEN TESTED IN ACCORDANCE WITH THE FOLLOWING TEST METHODS.

1. ANTI-SLIP

Accredited BS 7976-2 and ASTM E303-93 (when used with RAPTOR Traction)

2. FLAMMABILITY

FMVSS 302, ISO 3795, BS AU169A

3. WATERSOAK

ASTM D870-15 Pass

4. SALT SPRAY

ASTM B 117-16
RAPTOR Anti-Corrosive Epoxy Primer test completed at >1000 hours according to ASTM protocols (B117) at an independent laboratory

5. CHIP RESISTANCE

ASTM D3359-09E2

6. IMPACT RESISTANCE

ASTM D2794-93(2010)

7. TABER ABRASION RESISTANCE

ASTM D4060-14

CHEMICAL RESISTANCE

ASTM D1308
Diesel
NaOH
Gas
Hydraulic Oil
Xylene
Alcohol
Bleach
Horse Urine
10% Hydrochloric Acid
10% Sulphuric Acid
85.5% Phosphoric Acid



COATING REGULATIONS

Coating regulations differ by country, industry and application. Inclusion of a specific application within this catalog is meant to demonstrate ability of this product to perform technically in that application, but does not mean that it has regulatory approval for this use in all different legislative regimes (for example having the relevant VOC for that specific use in every market). If you need specific advice regarding the local legislative frameworks for use of RAPTOR in any given application, please contact your U-POL representative.



Automotive



Home



Marine



Recreational



Agriculture



Industrial



Commercial



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, P80-P180 grit sandpaper, red scuff pads, RAPTOR application gun or professional vari-nozzle application gun (UP0726 or UP4880) or roller brush.



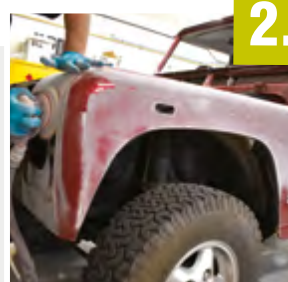
CLEAN SUBSTRATE

Remove all loose material. Clean and degrease surface. We recommend using U-POL SYSTEM 20 degreasers (UP2002 or UP2012).

PREPARE SUBSTRATE

Abrade surface with P80-P180 abrasive, use red scuff pad for difficult to abrade areas. Re-clean the surface. RAPTOR can be directly applied over painted surfaces that have been cleaned and abraded.

We recommend using U-POL SYSTEM 20 degreasers (UP2002 or UP2012).



PRIME SURFACE

Spot prime any areas where bare metal has been exposed. Bare metal, aluminum or galvanized surfaces must be primed with a suitable primer such as RAPTOR Acid Etch Primer (UP5023), or RAPTOR Anti-Corrosive Epoxy Primer for optimum performance. Use RAPTOR Adhesion Promoter (UP5024) in hard to reach areas.

MIX RAPTOR

RAPTOR has a 3:1 mix ratio. Pour 240ml of the RAPTOR hardener into the pre-filled bottle of 710ml of RAPTOR coating or combine them 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 40-60psi (2.75-4.1 bar) depending on desired texture. At a distance of 18-59 in (45-150 cm), apply to the prepared surface in a sweeping motion to obtain desired texture. **Pot life: approximately 60 minutes.**

We recommend using RAPTOR application guns (UP0726 or UP4880).

ADDITIONAL COATS

Two or three 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 abrade and apply additional coat(s).



TOP COATING

RAPTOR can be overpainted 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. We recommend using SYSTEM 20 clearcoats (UP2882 or UP2872V).

DRYING TIMES @ 68°F (20°C)

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 TEXTURE APPLICATION

SMOOTH FINISH

First coat: Mix RAPTOR
3:1+15%, HVLP 1.7, 2 Bar (25 PSI) pressure at gun and allow 30-minute flash time

Second coat: 3:1+15%, HVLP 1.7, 2 Bar (25 PSI) pressure at gun and same - end at "gun"

STANDARD TEXTURE FINISH

Standard texture through Application Gun (UP0726 and UP4880): Mix RAPTOR 4 Bar (58 PSI)

Distance from object 20 inches (50cm) 2 coats with an even sweeping motion

HEAVY TEXTURE FINISH

Coarse texture through Application Gun (UP0726 and UP4880): Mix RAPTOR and allow to stand for 10 minutes

3 Bar (44 PSI)
Distance from object 20 inches (50 cm)

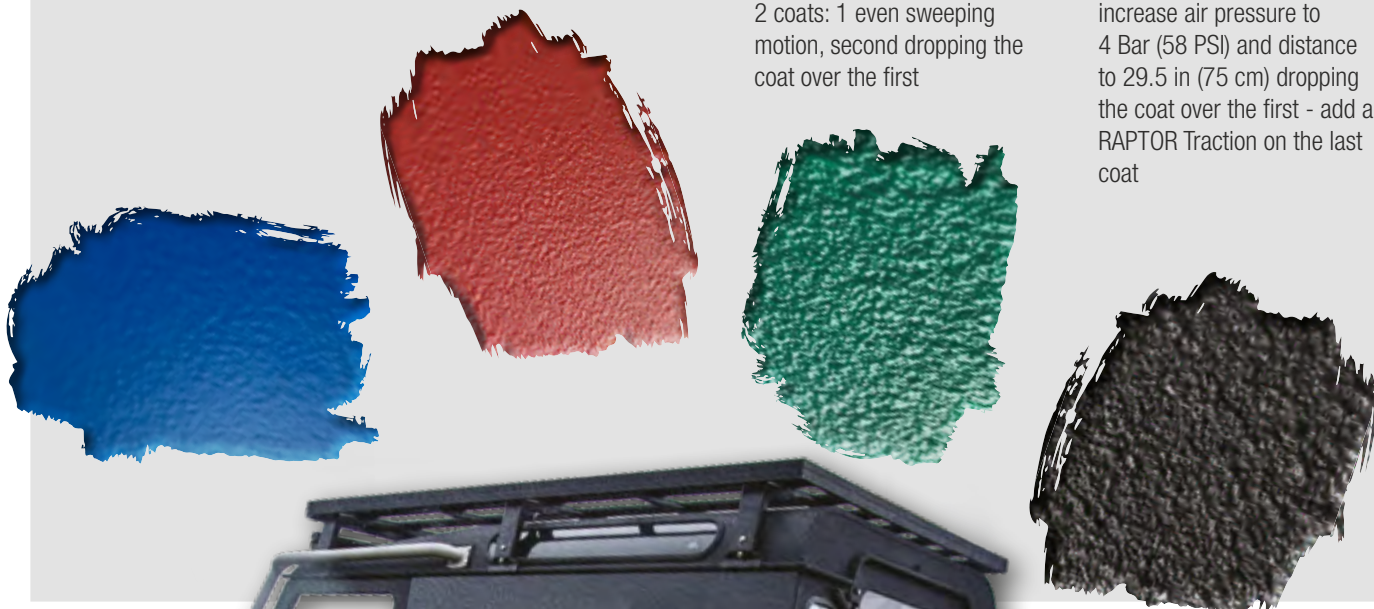
2 coats: 1 even sweeping motion, second dropping the coat over the first

SLIP-RESISTANT FINISH

Coarse texture through Application Gun (UP0726): Mix RAPTOR and allow to stand for 10-minutes

3 Bar (44 PSI)
Distance from object 50cm

2 coats - 1st coat even sweeping motion, 2nd coat increase air pressure to 4 Bar (58 PSI) and distance to 29.5 in (75 cm) dropping the coat over the first - add a RAPTOR Traction on the last coat



RAPTOR
KING OF TOUGH

FAQ

APPLICATION

Q: What size gun tip should I use to spray RAPTOR?

A: Depending on the texture desired, once reduced, RAPTOR can generally be applied with a nozzle set from about a 1.4 up to a 2.0. Once it is reduced to a maximum of 20% it is possible to spray it through a smaller nozzle set (1.2 - 1.3) however, the film build will be pretty thin and it may not have the same chip resistance that it does when applied with a larger nozzle set. In reality, it all depends on the look, finish and texture that you want to achieve.

Q: What PSI should I set my RAPTOR Application Gun to (UP0726)?

A: Typically, 40-60 psi (3-4 bar) is recommended. Higher or lower pressure can also be used, but it's recommended you spray a test panel first to make sure the texture is what you are looking for.

Q: How do you use automotive paint tape with RAPTOR?

A: Wait between 60-90 minutes after applying your final coat of RAPTOR before removing the tape.

Q: How many coats of RAPTOR can be applied?

A: The recommended RAPTOR application is 2-3 coats with a 60 minute flash time between coats. If further build is needed, it is recommended to carry this out in several applications. For instance, apply the first 2-3 coats, bake or allow 24 hours to dry and then apply another 2-3 coats, etc. The key is to allow as much solvent to evaporate from each layer before adding subsequent layers. If the process is carried out too fast, RAPTOR may remain soft and take longer to fully cure.

Q: How long do I need to wait to recoat RAPTOR after applied?

A: RAPTOR can generally be re-coated after 24 hours. Scuff it with a red scuff pad, clean with wax and grease remover, apply the next coat of RAPTOR.

Q: What if I need to touch up or repair my application?

A: Cured RAPTOR can easily be touched up. Just clean the surface, sand and featheredge a few inches into the surrounding area, re-clean, and mix and apply as usual. No need to prime again unless you sand down to bare metal. Remember, if it's been more than 5 hours since the last coat of RAPTOR has been applied, allow RAPTOR to cure for 24 hours, then lightly abrade and apply additional coat(s).



Q: How long do I need to wait before RAPTOR is exposed to rain or water?

A: Do not allow RAPTOR to come in contact with water for at least 72 hours.

Q: How thick should RAPTOR be per coat?

A: The average thickness for RAPTOR is 200-250 µm per coat. Applying 2 medium coats of RAPTOR is recommended. Measurements are approximate and are dependent on the application method.

Q: What area will RAPTOR cover?

A: One RAPTOR 1 US Gallon Kit will cover approximately 12 sq meters at recommended film build (3 sq meters / bottle).

Q: In what temperature range should RAPTOR be applied within?

A: It is not recommended for application below 40°F (5°C). When RAPTOR is applied at the lower temperatures, the dry and cure time is significantly extended.

Q: Can RAPTOR be dry baked?

A: Yes, 30 minutes at 140°F (60°C).

Q: Can RAPTOR be used on the undercarriage and engine compartment of my vehicle?

A: Yes, RAPTOR can be used for both.

MIX RATIO

Q: What is the mix ratio by volume and by weight?

A: Volume - 3 parts RAPTOR - 1 part hardener - 10% color.
B: 100g RAPTOR - 30g hardener and - up to 10g tint.
Refer to online technical datasheet for additional quantities.

Q: Can RAPTOR be thinned?

A: Yes, RAPTOR can be reduced up to 20% with a urethane grade reducer.

PREPARATION

Q: How do you prepare bare metal for a RAPTOR application?

A: Abrade surface with P80-P180 (P180 for aluminum) grit sandpaper and apply 1-2 coats of RAPTOR Acid Etch Primer (UP5023). Allow to dry for 15-20 minutes before applying RAPTOR. If RAPTOR Acid Etch Primer is not available, 2K DTM or Epoxy Primer (preferably RAPTOR Epoxy Primer) can be used to prime bare metal (follow top coat directions for primer).

Q: Can you apply RAPTOR to wheel rims?

A: Yes, RAPTOR can be applied to both steel and alloy wheels. The preparation is as follows: sand with P80-P180 grit, use RAPTOR Acid Etch Primer (UP5023) or Epoxy Primer over exposed bare metal, and apply.

Q: How do you prepare plastic for a RAPTOR application?

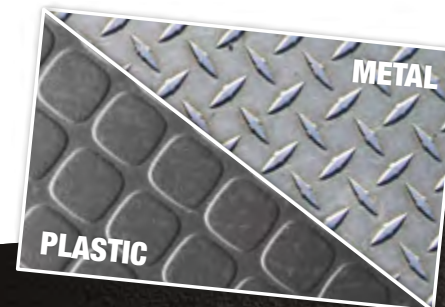
A: RAPTOR can be used on most plastic without much preparation. Abrade the plastic with P180-P240 grit sand paper or red scuf and then apply an adhesion promoter, like RAPTOR Adhesion Promoter (UP5024). Wait about 20 minutes before applying RAPTOR.

Q: How do you prepare wood and plywood for a RAPTOR application?

A: If the wood has been pre-treated or painted, clean the wood of any contaminants. If cleaned with water, allow to dry first. Lightly sand with P80 to 180 grit sand paper any painted areas. Once dry, apply RAPTOR.

Q: How do you prepare concrete for a RAPTOR application?

A: As long as the concrete is clean, dry, and free of oil, you can apply RAPTOR directly to concrete. If concrete is sealed, a rotary floor sander can be used to abrade surface. Any petroleum based surface contaminants should first be cleaned with a suitable cleaning solution to neutralize the contamination.



Q: How do you prepare fiberglass for a RAPTOR application?

A: Scuff the surface with P80 to P120 grit sandpaper and degrease before applying RAPTOR. For optimum adhesion, an adhesion promoter, like RAPTOR Adhesion Promoter (UP5024) can be used in areas that cannot be sanded.

Q: Can RAPTOR be applied on top of a basecoat?

A: Yes, it can be applied to both solvent and water borne basecoat. Follow basecoat manufacturer's drying times prior to over coating.

Q: How do you prepare OEM E-Coat for a RAPTOR application?

A: Clean the surface with wax and grease remover and scuff the surface with red / maroon scuff pad. Re-clean the surface before applying RAPTOR.

Q: How do you prepare powder coat for RAPTOR application?

A: Clean the surface with wax and grease remover and lightly sand with P180 grit sandpaper before applying RAPTOR.

Q: Can RAPTOR be applied over Sealant?

A: There are a large number of sealants on the market, of various different types and technologies. The only sealant recommended unreservedly for use with RAPTOR is U-POL Tigerseal, which has been thoroughly tested for compatibility in our laboratories.

Q: Can RAPTOR be used on a boat? Is it completely water resistant?

A: RAPTOR is a water resistant coating once fully cured and can be used for many marine applications. Let RAPTOR cure completely for approximately 72 hours before immersing in water.

RAPTOR will also hide a multitude of problems, like crazing, pitting and scratches.

Sand the crazed gel coat with P100-P120 grit sandpaper before applying RAPTOR. First, repair the damaged gel coat with FIBRAL (UP0716) or SMC bonding filler (UP0777 black or UP0779 white) to seal the surface.

Q: How do you prepare chrome for a RAPTOR application?

A: Good results can be obtained if one of the following is used, but note that chrome is not an "approved" substrate:
For radiator grills: Sand the surface as well as possible, apply two coats of RAPTOR Adhesion Promoter (UP5024), allow to dry then apply RAPTOR.

For more demanding substrates, such as bumpers: Sand the surface as well as possible, apply epoxy primer (following primers guidelines), then apply RAPTOR.

For helpful tips and tricks on how to apply RAPTOR and to find your nearest application centre visit: raptorcoatings.com



FAQ

TINTING



Q: How do you tint RAPTOR?

A: Visit your local automotive paint distributor, and they can help you color match. RAPTOR is compatible with any solvent based color, including 2K acrylic solid color and mixed acrylic basecoats, and can be added up to 10% by volume (ask your paint supplier to leave out the binders if possible for best pigment density). NOTE: Acrylic basecoat toners tend to have high color strength so use sparingly (less than 10% tint by volume). RAPTOR cannot be used with water based, polyester, or enamel paints.

Q: Does the opaque color of tintable RAPTOR lighten up the tint color? How can I get a brilliant color?

A: For best color match results, tintable RAPTOR requires a solvent color. Various paint lines may have stronger or weaker toners so final color may vary. Ask your paint supplier to leave any binder or balancer out of the formulation if possible so it is pure pigment.

Q: Can tint be added to the black kits, for example, to make gray?

A: Yes, tint can be added to the black or white kits as well. If you're looking to match a color code, it may be hard to do this way. Suggested that you conduct a test spray out to determine if the color and look is acceptable prior to general application.

Q: Can you use metallic toners in RAPTOR?

A: Metallic toners can be used however, you may experience "metallic burying" and the RAPTOR may not have the exact look that you are attempting to match. Our suggestion is to conduct a test spray-out before committing to the whole project.

TECHNICAL PROPERTIES & CHEMICAL COMPOSITION

Q: What is the Shore Hardness of RAPTOR?

A: The typical Shore D Hardness Value for fully cured RAPTOR is 85.

Q: What is the maximum temperature RAPTOR can handle after applied?

A: 212°F (100°C). At sustained temperatures above 212°F (100°C), some softening could occur.

Q: Can RAPTOR be exposed to gasoline after applied?

A: RAPTOR can withstand some exposure to gasoline. If the area will be submerged in gasoline, RAPTOR should not be used, as there may be some surface softening from prolonged exposure.



FINISH

Q: How do you create a dull or less-glossy look?

A: Most paint manufacturers provide proprietary matting agents that are used in other 2K products, and these are suitable for use in RAPTOR. Follow the manufacturer's recommendations. Please note this may reduce RAPTOR's flexibility.

Q: What type of finish does RAPTOR have? Will it attract dirt?

A: RAPTOR dries as a hard satin gloss finish. It won't attract dirt and is easy to clean.

Q: Is RAPTOR skid resistant?

A: On its own, RAPTOR is not skid resistant, or non-slip. For a non-skid surface on walkways, mix RAPTOR Traction – Slip-Resistant Additive (UP4800) into the final coat before applying.

Q: How do I get a smoother, less textured finish?

A: There are two ways to get a smoother finish. 1) Turn up the pressure on the gun. 2) Add thinner as per the technical datasheet instructions. For instance, you could use an HVLP gravity fed gun with a 1.6-2.0mm nozzle set up. Add 15% urethane reducer when mixing RAPTOR. Set your gun at 29 psi (2 bar). At a distance of about 6 in (15 cm), spray the first coat as an even wet coat. After flashing, reduce the pressure and material flow to achieve a fine mist for the second coat.

Q: How do you paint over RAPTOR?

A: Allow RAPTOR to dry for 24 hours.

OTHER

Q: How can one 1 US Gallon Kit of RAPTOR cover more area than competitor truck bed liners?

A: A RAPTOR Kit has 4 bottles of sprayable product, where most competitors only provide around 2L of product in a kit. The RAPTOR Kit is designed so that one kit will cover an average truck bed.

Q: How long will RAPTOR last once applied to substrates?

A: The life of RAPTOR once applied can depend on application method, film build, quality of preparation and substrate. We have tested RAPTOR against other products in the market and have laboratory test data which proves better performance. When applied correctly, RAPTOR will last for years and is very easy to repair if necessary. It has excellent U.V. stability and will not fade. The RAPTOR Land Rover we have done in the UK was painted in 2015 and has travelled all over the UK on the road. It still looks as good as the day it was painted, with no defects.

For helpful tips and tricks on how to apply RAPTOR and to find your nearest application centre visit: raptorcoatings.com






www.raptorcoatings.com

A PERFECT TOUGH FINISH



WHATEVER THE WEATHER



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