



# RAPTOR TOUGH PROTECTIVE COATING BLACK 1.7 VOC KIT



DRIVING SURFACE PERFECTION

## TECHNICAL DATASHEET

U-POL's RAPTOR Tough and Protective Coating System is a two component polyurethane bedliner that provides a hard, durable and protective surface to truckbeds and other equipment.



- Available in Black, White and Tintable format.
- Tough and durable.
- Helps protect against corrosion.
- Resists fading.
- Excellent chemical resistance.
- Bonds to many surfaces.
- Easy to use.
- Can be applied by spray gun, roller or brush.

## APPLICATION INFORMATION



FOR PPE  
RECOMMENDATIONS  
REFER TO SDS

**IMPORTANT: FOR PROFESSIONAL USE ONLY. Read full instructions before use.**

This product contains hazardous materials and therefore appropriate personal protective equipment should always be used. Please refer to the label and consult the safety data sheet for full handling instructions and personal protection information. Persons suffering from asthma or eczema and persons who have chronic lung diseases, skin or respiratory allergies to isocyanates should not work with the material.

### Components



Product	Order Code	Format	Color
RAPTOR TOUGH PROTECTIVE COATING BLACK 1.7 VOC KIT	UP5025	1 x 237ml Tin, 1 x 711ml Bottle	Black
RAPTOR TOUGH PROTECTIVE COATING BLACK 1.7 VOC KIT	UP5041	4 x 711ml Bottle, 1 x 946ml Tin, 1 x Measuring Cup, 4 x Rollers	Black
RAPTOR TOUGH PROTECTIVE COATING BLACK 1.7 VOC KIT	UP0825	4 x 711ml Bottle, 1 x 946ml Tin, 1 x Measuring Cup	Black
RAPTOR TOUGH PROTECTIVE COATING BLACK 1.7 VOC KIT	UP5045	4 x 711ml Bottle, 1 x 946ml Tin, 1 x Measuring Cup, 4 x Rollers	Black
<b>Hardener</b>	<b>Order Code</b>	<b>Format</b>	<b>Temperature ranges</b>
<b>Reducer</b>	<b>Order Code</b>	<b>Format</b>	<b>Temperature ranges</b>
<b>Optional Additives</b>	<b>Order Code</b>	<b>Format</b>	

Using products outside of the recommended application temperature or mixing ratio may lead to surface defects or improper through-cure.  
Please refer to additive technical data sheets for further use instructions.

### Mixing ratio



Cumulatively mixing by grams will give the total indicated volume.  
Bedliner bottles are part-filled for ease of use. Measure out the hardener into the cup supplied to the fill line and pour into the bottle. Replace lid (do not over-tighten) and shake for 2 minutes. Only mix one bottle at a time. Clean gun with acetone between mixes. Mixed bedliner can be reduced up to 15% by volume with a fast urethane thinner. The addition of thinner will affect the final applied VOC. Check your local VOC regulations.

### Surface Preparation



Substrate	Degreaser	Abrasion
Original Paint		P80 - P180
Bare Steel		P80
Aluminum		P120 - P180
Galvanised		P120 - P180
Fiberglass / GRP, SMC		P120 - P180
E-Coat		P120 - P180
TPO, EPDM/PP		P180 - P320

All surfaces must be clean and dry prior to application, and any rust or loose material removed. Degrease surfaces before and after preparation. Clean and degrease removing dirt, oil, grease and wax with cleaning solutions such as U-POL's SYSTEM 20 Degreasers (please check local VOC regulations).

### Gun Setup



**Gun Tip Size (HVLV)**  
**Air Pressure at Gun (HVLV)**

### Application



**Application Viscosity (Zahn #2)**  
**Working Pot-Life at 70 °F**  
**Number of Coats**  
**Flash-off at 70°F between coats**  
**Total Dry Film Thickness**



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### Theoretical Coverage @ 1 MIL DFT\*

\*Theoretical Coverage assuming total dry film thickness is attained at 100% transfer efficiency.  
Paint straining is recommended prior to application to remove any unwanted dust or debris.

### Drying Time



Sandable at 70 °F  
Flash-off at 70°F prior forced drying  
Sandable at 140°F

### Sanding



Dry Sanding  
Wet Sanding

### Overcoating



Overcoating is possible with most paints after 24 hours. Abrade the surface with a fine scuff pad and degrease before application.

### Additional information



#### Equipment Cleaning

Clean gun immediately after use with acetone.

#### Important Remarks

The use of an accelerator is optional with this coating.

### VOC Information



#### Unmixed

As Packaged Regulatory VOC	228 g/l (1.9 lbs/gal)
As Packaged Actual VOC	151.1 g/l (1.26 lbs/gal)
Percent Solids	61.66 wt%
Percent Solids	49.23 vol %
Volatiles	38.3 wt%
Water Content	0 wt%
Water Content	0 vol %
Exempt Compounds by weight	24.8 wt%
Exempt Compounds by volume	33.7 vol %
% EPA HAPS	8.00 wt%
Density	1108 g/l (9.2 lbs/gal)

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

#### Recommended storage temperature

41°F - 77°F

### Shelf Life & Storage



Product	Order Code	Format	Shelf Life
RAPTOR TOUGH PROTECTIVE COATING BLACK 1.7 VOC KIT	UP5025	1 x 237ml Tin, 1 x 711ml Bottle	2 years
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### Associated Products



Product	Order Code	Format	Shelf Life
ACID #8 Etch Primer	UP0776	1L Tin	2 years
ACID #8 Etch Primer Gray Aerosol	UP0741V	450ml Aerosol	2 years
ACID #8 Etch Primer Black Aerosol	UP0837	450ml Aerosol	2 years
SYSTEM 20 Water-Based Degreaser	UP2002	5L Canister	5 years
SYSTEM 20 Solvent-Based Fast Degreaser	UP2012	5L Tin	5 years
SYSTEM 20 Solvent-Based Slow Degreaser	UP2021	1L Tin	5 years
SYSTEM 20 Solvent-Based Slow Degreaser	UP2022	5L Tin	5 years
HVLP Gravity Gun 1.3mm tip	UP0323	1-pack	-
HVLP Gravity Gun 1.4mm tip	UP0324	1-pack	-

U-POL disclaims any liability where the user does not wear the recommended personal protective equipment. The above data is for information only and may change without prior notice. It is the Buyers responsibility to ensure the suitability of the products for their own use and check the information is up to date. The recommendation of use of our products and application in our technical data sheets are based on our knowledge and experience. These data sheets are available via your local stockist or via the U-POL website at WWW.U-POL.COM. U-POL is not responsible for the results obtained by others over whose methods we have no control and thereof U-POL is not liable for consequential or incidental damages including loss of profits. U-POL is not liable for mis-use or abuse of its products and no application warranty is expressed or implied.

For additional technical assistance, please contact the U-POL Technical Department at [technicalsupport@u-pol.com](mailto:technicalsupport@u-pol.com)



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