



# RAPTOR 1K TOUGH UNDERCOATING BLACK AEROSOL

UP4876



DRIVING SURFACE PERFECTION Version: 1.0 Date of issue: 24/09/2020 Revision date: 24/09/2020

## TECHNICAL DATASHEET

RAPTOR Tough Undercoating is ideal for protecting underbodies, rocker panels and wheel wells from stone chips, salt damage, moisture and rust. Its 1K heavy duty formulation gives a durable, abrasion resistant finish which acts as a barrier against stone damage and corrosion. It's perfect for covering weld marks and seams and when used in the engine compartment can also help with sound dampening. RAPTOR Tough Undercoating has excellent adhesion and can be directly applied to properly prepared metal, aluminum, fiberglass and plastic and dries to form an attractive, textured finish.



- Heavy duty textured finish.
- Durable barrier against rust and corrosion.
- Tough protection for underbodies & wheel wells.

Product	Order Code	Format	Shelf Life
RAPTOR 1K TOUGH UNDERCOATING BLACK AEROSOL	UP4876	473ml Aerosol	5 years

## APPLICATION INFORMATION



FOR PPE  
RECOMMENDATIONS  
REFER TO SDS

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.

### Surface Preparation



Substrate	Degreaser	Abrasion
Prepared OEM surfaces	SYSTEM 20 Solvent-Based Degreaser	P180 - P220
SMC	SYSTEM 20 Water-Based Degreaser	P180 - P220
Fiberglass / GRP	SYSTEM 20 Water-Based Degreaser	P180 - P220
Lightly abraded E-Coat	SYSTEM 20 Solvent-Based Degreaser	P180 - P220
Aluminum*	SYSTEM 20 Solvent-Based Degreaser	P180 - P220
Bare Steel*	SYSTEM 20 Solvent-Based Degreaser	P180 - P220
Galvanised*	SYSTEM 20 Solvent-Based Degreaser	P180 - P220

For best results, good preparation is essential. 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). Abrade with grit paper as stated above for each respective substrate. Re-clean, dry and degrease the abraded substrate ready for application. \*For optimum results on bare metal, galvanised steel and aluminium surfaces, apply 1-2 light even coats of RAPTOR Acid Etch Primer, allowing 30 minutes drying time before application.

### Mixing



Shake the aerosol can for at least 2 minutes before use.

### Application



<b>Application Temperature</b>	20 °C / 70 °F
<b>Distance from the surface</b>	25 cm / 10 inches
<b>Number of Coats</b>	1 – 2
<b>Flash-off at 70°F</b>	10 – 15 minutes between coats
<b>Dry Film Thickness</b>	50 µm / 1.2 MIL
<b>Theoretical Coverage @ indicated DFT*</b>	1.9 m <sup>2</sup> /unit / 20.2 ft <sup>2</sup> /unit
	*Theoretical Coverage assuming total dry film thickness is attained at 100% transfer efficiency.

### Drying Time



PLEASE NOTE: drying times are dependent upon film thickness, humidity and temperature.

<b>Dry-Through at 70°F</b>	3 – 4 hours
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## TECHNICAL INFORMATION

### Physical properties



<b>Appearance</b>	Aerosol.
<b>Color</b>	Black
<b>Specific gravity / density</b>	0.99 g/cm <sup>3</sup>





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	<p><b>Maximum Incremental Activity (MIR)</b> 0.82  <b>MIR EPA Aerosol Category</b> FCP 1.2 - Flat Coating  <b>MIR CARB Aerosol Category</b> FCP 0.80 - Flat Coating - General Coatings</p> <p><b>As Packaged Regulatory VOC</b> 446 g/l (3.7 lb/gal)  <b>As Packaged Actual VOC</b> 317 g/l (2.6 lb/gal)  <b>As Applied Regulatory VOC</b> 446 g/l (3.7 lb/gal)  <b>As Applied Actual VOC</b> 317 g/l (2.6 lb/gal)  <b>Percent Solids</b> 40.67 wt%  <b>Percent Solids</b> 19.83 vol %  <b>Volatiles</b> 59.3 wt%  <b>Water Content</b> 0 wt%  <b>Water Content</b> 0 vol %  <b>% HAPS</b></p>																				
<p><b>Storage</b></p> 	<p>Aerosol cans should be stored for two hours at room temperature before use. For long term storage, keep in a dry well ventilated area and away from direct sunlight and frost. To clear the nozzle and maximise the lifespan of your aerosol, always invert the can and spray upside down for a few seconds after each use. Should the nozzle become blocked, remove it from the can and soak it in gentle thinners.</p> <p>Protect from sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up. Keep container tightly closed. Keep cool. Keep only in original container.</p> <p><b>Recommended storage temperature</b> 40 °C - 75 °F</p>																				
<p><b>Associated Products</b></p> 	<table border="1"> <thead> <tr> <th>Product</th> <th>Order Code</th> <th>Format</th> <th>Shelf Life</th> </tr> </thead> <tbody> <tr> <td>SYSTEM 20 Water-Based Degreaser</td> <td>UP2002</td> <td>5L Canister</td> <td>5 years</td> </tr> <tr> <td>SYSTEM 20 Solvent-Based Fast Degreaser</td> <td>UP2012</td> <td>5L Tin</td> <td>5 years</td> </tr> <tr> <td>SYSTEM 20 Solvent-Based Slow Degreaser</td> <td>UP2022</td> <td>5L Tin</td> <td>5 years</td> </tr> <tr> <td>RAPTOR Acid Etch Primer Aerosol</td> <td>UP5023</td> <td>450ml Aerosol</td> <td>2 years</td> </tr> </tbody> </table>	Product	Order Code	Format	Shelf Life	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	UP2022	5L Tin	5 years	RAPTOR Acid Etch Primer Aerosol	UP5023	450ml Aerosol	2 years
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For further information on U-POL products, please visit [www.u-pol.com](http://www.u-pol.com)  
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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