



UP4849 RAPTOR 1K Enamel - Flat Black



UP4849

DRIVING SURFACE PERFECTION Version: 1.0 Date of issue: 04/01/2022

TECHNICAL DATASHEET

A 1K professional grade, flat enamel that combines both paint and primer in one. It can be used direct to most prepared metals and plastics. It gives an exceptionally tough and durable finish that is more than 5x tougher than traditional lacquers, to protect surfaces from impact and abrasions. Ideal for use on fenders, under hood, chassis, wheels, bumper covers, mirror covers, body panels and moldings.

- 1K pro quality.
- 5 x tougher than traditional lacquers.
- Fast drying.
- Flat Finish.
- Clog Free Nozzle.

Product UP4849 RAPTOR 1K Enamel - Flat Black	Order Code UP4849	Format 400ml Aerosol	Shelf Life 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

OEM paint
Lightly abraded E-Coat
EPDM/PP
TPO
Bare Steel*
Aluminum*
Galvanised*

Degreaser

SYSTEM 20 Solvent-Based Degreaser
SYSTEM 20 Solvent-Based Degreaser
SYSTEM 20 Water-Based Degreaser
SYSTEM 20 Water-Based Degreaser
SYSTEM 20 Solvent-Based Degreaser
SYSTEM 20 Solvent-Based Degreaser
SYSTEM 20 Solvent-Based Degreaser

Abrasion

P400 - P600
P400 - P600
P400 - P600
P400 - P600
P180 - P220
P180 - P220
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, apply 1-2 light even coats of ACID#8 Etch Primer, allowing 20 minutes drying time before application.

Mixing



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

Application



Application Temperature
Distance from the surface
Number of Coats
Flash-off at 70°F
Total Dry Film Thickness
Theoretical Coverage @ indicated DFT*

20 °C /68 ° F
25 cm / 10 inches
1 – 2
5 – 10 minutes between coats
25 µm / 1 MIL
0.8 m²/unit / 8.5 ft²/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.

Dust Free at 70°F 20 – 30 minutes
Dry-Through at 70°F Overnight

Overcoating



This formulation can be directly overcoated without sanding with most water/solvent-based paint systems, if applied within the over coat time. Raptor 1K Pro Enamel Diamond Clear Aerosol can be subsequently applied for optimum gloss and UV protection. . If left longer than 24 hours, lightly scuff before overcoating.

Overcoatable at 70°F after 1 hour
Overcoatable at 70°F within 24 hours

TECHNICAL INFORMATION

Physical properties



Appearance Liquid.
Color Black
Density 0.81 g/cm³



UP4849 RAPTOR 1K Enamel - Flat Black



UP4849

DRIVING SURFACE PERFECTION Version: 1.0 Date of issue: 04/01/2022

TECHNICAL DATASHEET

VOC Information



Maximum Incremental Reactivity (MIR)	0.77
MIR EPA Aerosol Category	Flat Coating - FCP 1.2
MIR CARB Aerosol Category	Flat Coating - General Coatings - FCP 0.8
As Packaged Regulatory VOC	627.19 g/l (5.23 lbs gal)
As Packaged Actual VOC	453.03 g/l (3.78 lbs gal)
As Applied Regulatory VOC	627.19 g/l (3.78 lbs gal)
As Applied Actual VOC	453.03 g/l (3.78 lbs gal)
Percent Solids	11.89 wt%
Percent Solids	8.18 vol %
Volatiles	88.1 wt%
Water Content	0 wt%
Water Content	0 vol %
Exempt Compounds by weight	32.0 wt%
Exempt Compounds by volume	27.7 vol %
% EPA HAPS	1.3 wt%

Storage



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.

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.

Recommended storage temperature	41 °F - 77 °F
--	---------------

Associated Products



Product	Order Code	Format
---------	------------	--------

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

U-POL US Inc
 108 Commerce Way
 Easton, PA 18083 - United States
 T 1-800-340-7824 - F 1-800-787-5150
technicalsupport@u-pol.com - www.u-pol.com