



RAPTOR 1K PRO ENAMEL BLACK GLOSS AEROSOL

UP4846



DRIVING SURFACE PERFECTION Version: 1.1 Date of issue: 17/07/2020 Revision date: 24/02/2021 Supersedes: 17/07/2020

TECHNICAL DATASHEET

A 1K professional grade, high gloss 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.
- High Gloss finish.
- Clog Free nozzle.

| Product | Order Code | Format | Shelf Life |
|--|------------|---------------|------------|
| RAPTOR 1K PRO ENAMEL BLACK GLOSS AEROSOL | UP4846 | 344ml 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 | P400 - P600 |
| Lightly abraded E-Coat | SYSTEM 20 Solvent-Based Degreaser | P400 - P600 |
| EPDM/PP | SYSTEM 20 Water-Based Degreaser | P400 - P600 |
| TPO | SYSTEM 20 Water-Based Degreaser | P400 - P600 |
| Bare Steel* | SYSTEM 20 Solvent-Based Degreaser | P180 - P220 |
| Aluminum* | 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, apply 1-2 light even coats of RAPTOR Acid Etch Primer, allowing 20 minutes drying time before application.

Mixing



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

Application



| | |
|--|--|
| Application Temperature | 20 °C / 70 °F |
| Distance from the surface | 25 cm / 10 inches |
| Number of Coats | 1 – 2 |
| Flash-off at 70°F | 3 – 5 minutes between coats |
| Total Dry Film Thickness | 25 µm / 1 MIL |
| Theoretical Coverage @ indicated DFT* | 0.8 m ² /unit / 8.5 ft ² /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.

| | |
|------------------------------|-----------------|
| Dry to Handle at 70°F | 30 minutes |
| Dust Free at 70°F | 20 – 30 minutes |
| Dry-Through at 70°F | 60 minutes |

Overcoating



RAPTOR 1K PRO ENAMEL DIAMOND CLEAR AEROSOL can be subsequently applied for optimum gloss and UV protection.

TECHNICAL INFORMATION

Physical properties



| | |
|-------------------|------------------------|
| Appearance | Aerosol. |
| Color | Black |
| Density | 0.73 g/cm ³ |



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TECHNICAL DATASHEET

| | |
|---|--|
| Maximum Incremental Reactivity (MIR) | 0.98 |
| MIR EPA Aerosol Category | ABT 1.75 - Automotive Bumper and Trim Product |
| MIR CARB Aerosol Category | ABT 1.70 - Automotive Bumper and Trim Product - Specialty Coatings (B) |
| As Packaged Regulatory VOC | 662 g/l (5.5 lbs/gal) |
| As Packaged Actual VOC | 509 g/l (4.2 lbs/gal) |
| As Applied Regulatory VOC | 662 g/l (5.5 lbs/gal) |
| As Applied Actual VOC | 509 g/l (4.2 lbs/gal) |
| Percent Solids | 10.94 wt% |
| Percent Solids | 8.15 vol % |
| Volatiles | 89.1 wt% |
| Water Content | 0 wt% |
| Water Content | 0 vol % |
| % HAPS | 5.5 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 40 °C - 75 °F

Associated Products



| Product | Order Code | Format |
|--|------------|---------------|
| SYSTEM 20 Water-Based Degreaser | UP2002 | 5L Canister |
| SYSTEM 20 Solvent-Based Fast Degreaser | UP2012 | 5L Tin |
| SYSTEM 20 Solvent-Based Slow Degreaser | UP2022 | 5L Tin |
| WIPE #6 Solvent-Based Degreaser Aerosol | UP0872 | 450ml Aerosol |
| RAPTOR 1K Pro Enamel Diamond Clear Aerosol | UP4845 | 400ml Aerosol |
| RAPTOR Acid Etch Primer Aerosol | UP5023 | 450ml Aerosol |

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

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