



RAPTOR 1K PRO PRIMER GRAY AEROSOL

UP4844



DRIVING SURFACE PERFECTION Version: 1.0 Date of issue: 23/09/2020 Revision date: 23/09/2020

TECHNICAL DATASHEET

A 1K high build professional grade primer that combines 4 jobs in 1. It fills uneven surfaces, seals and stops rust. It's fast drying, easy to sand and provides outstanding adhesion to a wide range of surfaces, including properly prepared steel, aluminium and galvanised steel, as well as fiberglass and plastics.



- 1K pro quality.
- Fast drying and easy to sand.
- Clog-free nozzle.
- Excellent adhesion to a wide range of surfaces.

| | | | |
|-----------------------------------------------------|-----------------------------|--------------------------------|------------------------------|
| Product RAPTOR 1K PRO PRIMER GRAY AEROSOL | Order Code UP4844 | 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 | Degreaser | Abrasion |
|------------------------|-----------------------------------|--------------|
| 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 |
| Prepared OEM surfaces | SYSTEM 20 Solvent-Based Degreaser | P180 - P220 |
| Fiberglass / GRP, SMC | SYSTEM 20 Water-Based Degreaser | P180 - P220 |
| Lightly abraded E-Coat | SYSTEM 20 Solvent-Based Degreaser | Not required |

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



| | |
|----------------------------------------------|--------------------------------------------------------------------------------------------------|
| Application Temperature | 20 °C / 70 °F |
| Distance from the surface | 25 cm / 10 inches |
| Number of Coats | 1 – 2 |
| Flash-off at 70°F | 5 – 10 minutes between coats |
| Dry Film Thickness | 35 µm / 1.4 MIL |
| Theoretical Coverage @ indicated DFT* | 0.7 m ² /unit / 7.6 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 Sand at 70 °F | 60 minutes |
| Dry to Over-coat at 70°F | > 60 minutes |

Sanding



| | |
|--------------------|-------------|
| Dry Sanding | P400 - P600 |
| Wet Sanding | P600 - P800 |

Overcoating



Once sanded, this formulation can be overpainted with most water/solvent-based paint systems or solid colours.

TECHNICAL INFORMATION

Physical properties



| | |
|-----------------------------------|-------------------------|
| Appearance | Aerosol. |
| Color | Gray |
| Specific gravity / density | 0.777 g/cm ³ |



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| | |
|-------------------------------------------|------------------------------------------------------|
| Maximum Incremental Activity (MIR) | 0.87 |
| MIR EPA Aerosol Category | ABP 1.55 - Auto Body Primer |
| MIR CARB Aerosol Category | ABP 0.95 - Auto Body Primer - Specialty Coatings (A) |
| As Packaged Regulatory VOC | 679 g/l (5.7 lbs/gal) |
| As Packaged Actual VOC | 679 g/l (5.7 lbs/gal) |
| As Applied Regulatory VOC | 679 g/l (5.7 lbs/gal) |
| As Applied Actual VOC | 679 g/l (5.7 lbs/gal) |
| Percent Solids | 17.91 wt% |
| Percent Solids | 6.98 vol % |
| Volatiles | 82.1 wt% |
| Water Content | 0 wt% |
| Water Content | 0 vol % |
| % HAPS | 31.9 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. Keep only in original container.

Recommended storage temperature 40 °C - 75 °F

Associated Products



| 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 |

For further information on U-POL products, please visit www.u-pol.com

For additional technical assistance, please contact the U-POL Technical Department at technicalsupport@u-pol.com

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