

RAPTOR ENGINE ENAMEL COLOUR COAT AEROSOL

Version: 2.0 Date of issue: March 2024

TECHNICAL DATASHEET

A professional quality engine enamel, ideal for use on engine blocks, engine accessories and other surfaces in the engine compartment. RAPTOR Engine Enamel contains ceramic resins that resist temperatures up to 600°F

- Heat resistant up to 600°F
- Superior adhesion and corrosion resistance
- Good chemical resistance against automotive fluids when cured

Product	Order Code	Format	Shelf Life
RAPTOR ENGINE ENAMEL BRIGHT RED AEROSOL	UP4921	10oz Aerosol	2 years
RAPTOR ENGINE ENAMEL FLAT BLACK AEROSOL	UP4924		
RAPTOR ENGINE ENAMEL SATIN BLACK AEROSOL	UP4923		
RAPTOR ENGINE ENAMEL GLOSS BLACK AEROSOL	UP4922		

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.

Substrate

- RAPTOR Engine enamel primer
- Bare steel*
- Aluminium*
- Galvanised and zinc coated sheets*
- Fully cured paint
- Polyester bodyfillers and G.R.P

Degreaser

Abrasion

- **P400-P600 for RAPTOR Engine Enamel Primer**
- **P180 before application**
- **P800-P1000 for cured paint**

*Can be applied direct to metal. To achieve maximum performance (Adhesion, heat resistance, corrosion resistance...), RAPTOR Engine Enamel Primer must be applied prior to applying RAPTOR Engine Enamel Colour Coat.

Surface Preparation



HOW TO USE:

1. Clean and degrease. Mask any areas as required
2. Sand surface with P180-P220 sandpaper and reclean.
3. Prime any areas of bare metal with RAPTOR Engine Enamel Primer. When dry, sand with P400-P600 sandpaper and reclean according to the TDS.
4. Thoroughly shake can for at least 2 mins before use.
5. Always wear safety goggles and rubber gloves before spraying.
6. Apply 2 coats @ 6 – 10 inches from surface, waiting 5-10 mins between coats.
7. To clean – invert can and spray until only propellant sprays.
8. Touch dry in 30 mins at 70°F. Allow to dry overnight before use.
9. Cure the coating:
If on the vehicle, heat from the engine will achieve full cure
If off the vehicle, bake at 200°F for 1 hour.

Mixing



Shake the aerosol can for at least 2 minutes before use. Reshake for 30 seconds between coats.

Application



Application Temperature	70 °F
Distance from the surface	15-25 cm / 6-10 inches
Flash-off at 70°F	10 mins
Dust Free at 70°F	30 mins
Number of Coats	2-3

Overcoating



Overcoating window: Up to 1 hour. If allowed to dry longer than 1 hour, wait 7 days for paint to cure then abrade with P800-P1000 GRIT.

NOTE: There is no need to cure between primer, topcoat and clearcoat but it is needed after the full system is applied. If you want to overcoat after curing the coating, abrade with P800-P1000 and touch up if substrate is showing through

TECHNICAL INFORMATION

Physical properties



Appearance	aerosol.
Color	Black, Red

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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. Do not expose to temperatures exceeding 122 °F. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool. Keep only in original container.

Recommended storage temperature 41 - 77 °F

Associated Products



Product

RAPTOR ENGINE ENAMEL PRIMER AEROSOL
RAPTOR ENGINE ENAMEL BRIGHT RED AEROSOL
RAPTOR ENGINE ENAMEL FLAT BLACK AEROSOL
RAPTOR ENGINE ENAMEL SATIN BLACK AEROSOL
RAPTOR ENGINE ENAMEL GLOSS BLACK AEROSOL
RAPTOR ENGINE ENAMEL GLOSS CLEAR AEROSOL

Order Code

UP4920
UP4921
UP4924
UP4923
UP4922
UP4925

Format

10oz Aerosol