

RAPTOR FLAMEPROOF GREY PRIMER AEROSOL

Version: 3.0 Date of issue: July 2024

TECHNICAL DATASHEET

A professional quality primer for use prior to the application of RAPTOR Flameproof. Ideal for use on exhaust manifolds, headers, exhaust systems and other surfaces that require protection from very high heat. RAPTOR Flameproof Primer uses advanced ceramic technology that withstands temperatures up to 1000 °C

- Heat resistant intermittently up to 1000 °C
- Superior adhesion
- Good chemical resistance against automotive fluids and common solvents when cured

Product	Order Code	Format	Shelf Life
RAPTOR FLAMEPROOF GREY PRIMER AEROSOL	RFLPG/AL	400ML Aerosol	2 years

APPLICATION INFORMATION



FOR PPE
RECOMMENDATIONS
REFER TO SDS

IMPORTANT: 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

- Bare steel
- Aluminium
- Galvanised steel
- Stainless steel
- Titanium

Degreaser

- Waterbased degreaser
- Isopropyl Alcohol 70/30

Do not use mineral spirit

Abrasion

- **P180-P220 before application and for cured paint**
- **Denib: P500 or Scotch pad**
- **Sand: P500 after 12h**

HOW TO USE:

Surface Preparation



1. Clean and degrease. Mask any areas as required.
2. Sand surface with P180-P220 sandpaper and reclean.
3. Thoroughly shake can for at least 2 mins before use.
4. Always wear safety goggles and rubber gloves before spraying.
5. Apply 2 coats @ 25cm from surface, waiting 10 mins between coats.
6. To clean – invert can and spray until only propellant sprays.
7. Touch dry in 30 mins @20°C. Can be directly overcoated after 30mins or allow Flameproof Primer to dry for 1 hour and denib as required, then degrease, only use waterbased degreaser applied to the cloth to avoid soaking of the surface.
8. Overcoat with RAPTOR Flameproof colour coat and then optionally with RAPTOR Flameproof Satin clear if wanted
9. Once all coats applied, allow to dry for a minimum of 4 hours (Drying overnight is recommended) to allow the solvents to leave the film and then follow the steps to obtain the full cure:
If on the vehicle, run at idle for at least 30 mins. Let it cool down and run again under normal conditions for at least 30 mins.
If off the vehicle, bake at 150°C for 1 hour.

Mixing



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

Application



Application Temperature	20 °C
Distance from the surface	25 cm
Flash-off at 70°F	10 mins
Dust Free at 70°F	30 mins
Number of Coats	2-3

Overcoating



Overcoating window: Up to 12 hours. If allowed to dry longer than 12 hours, abrade with 500 grit, clean with waterbased degreaser then apply RAPTOR Flameproof colour coat or RAPTOR Flameproof Primer if substrate is showing through.

NOTE: There is no need to cure between primer and topcoat but it is needed after the full system is applied. If you want to overcoat after curing the coating, abrade with P180 and touch up with primer if substrate is showing through

TECHNICAL INFORMATION

Physical properties



Appearance	Aerosol.
Color	Grey

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 50 °C. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool. Keep only in original container.

Recommended storage temperature	15-25 °C
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Associated Products

Product	Order Code	Format
RAPTOR FLAMEPROOF GREY PRIMER AEROSOL	RFLPG/AL	400ML

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RAPTOR FLAMEPROOF FLAT BLACK AEROSOL
RAPTOR FLAMEPROOF FLAT RED AEROSOL
RAPTOR FLAMEPROOF SATIN CLEAR AEROSOL

RFLFB/AL
RFLFR/AL
RFLSC/AL