



DRIVING SURFACE PERFECTION

RAPTOR 1K MULTI USE PROTECTIVE COATING AEROSOL

RMUB/AL

Version: 4.0

Date of issue: 22/06/2018 Revision date: 30/03/2021 Supersedes: 22/03/2020



TECHNICAL DATASHEET

RAPTOR Multi-Use Protective Coating protects a variety of surfaces from impact, scratches, corrosion and water damage. Ideal for vehicles, trailers, railings, stairs, metal furniture and more... Its 1K formulation gives a durable, abrasion resistant finish with excellent adhesion to metal, aluminium, fiberglass, plastic and wood. Clog free nozzle and easy to use, it dries to form an attractive, textured finish that resists fading from the sun.

- Textured finish.
- Durable and gives good corrosion resistance.
- Excellent adhesion to prepared metal, aluminium, fiberglass, plastic and wood.

Product	Order Code	Format	Shelf Life
RAPTOR 1K MULTI USE PROTECTIVE COATING AEROSOL	RMUB/AL	450ml Aerosol	5 years

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.



Surface Preparation



Substrate

Bare Steel*
Aluminium*
Galvanised*
Prepared OEM surfaces
SMC, Fibreglass
Lightly abraded E-Coat
Most Plastics**
Wood

Degreaser

SYSTEM 20 Solvent-Based Degreaser
SYSTEM 20 Solvent-Based Degreaser
SYSTEM 20 Solvent-Based Degreaser
SYSTEM 20 Solvent-Based Degreaser
SYSTEM 20 Water-Based Degreaser
SYSTEM 20 Solvent-Based Degreaser
SYSTEM 20 Water-Based Degreaser
Not required

Abrasion

P80 - P120
P120
P120
P80 - P120
P80 - P120
Not required
P120
Not required

For best results, good preparation is essential. Clean and degrease removing dirt, oil, grease and wax using cleaning solutions such as U-POL's SYSTEM 20 Degreasers. 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. **Plastics should be treated with an adhesion promoter such as RAPTOR Adhesion Promoter Aerosol. PLEASE NOTE: this product is not recommended for application over thermoplastic acrylics.

Mixing



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

Number of Coats



Distance from the surface

30 cm / 12 inches

Application Temperature

20 °C / 70 °F

Coats

1 - 2

Flash-off at 20°C

10 – 15 minutes between coats

Total Dry Film Thickness

110 – 140 µm (4.3 - 5.5 MIL)

Theoretical Coverage @ indicated DFT*

0.8 – 1 m²/unit

*Theoretical Coverage per unit assuming 100% transfer efficiency and giving the dry film thickness at the indicated values.

Drying Time



PLEASE NOTE: drying times are dependent upon film thickness, humidity and temperature.

Touch Dry at 20°C

< 60 minutes

Dry-Through at 20°C

3 – 4 hours

Overpainting



This formulation can be directly overcoated without sanding with most water/solvent-based paint systems.

Overcoatable at 20°C after

3 – 4 hours

TECHNICAL INFORMATION

Physical properties



Appearance

Aerosol.

Colour

Black

Density

0.96 g/cm³

Percent Solids

30.29 wt%



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VOC Information



VOC Category (2004/42/CE)

Special Finishes, product category IIB(e), max. limit 840 g/l

The VOC content of this product as received is 579 g/l. The VOC content of this product in ready to use form is 579 g/l.

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/ 122 °F. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

Recommended storage temperature

5 °C - 25 °C

Associated Products



Product

SYSTEM 20 Water-Based Degreaser
 SYSTEM 20 Solvent-Based Fast Degreaser
 SYSTEM 20 Solvent-Based Slow Degreaser
 SYSTEM 20 Solvent-Based Slow Degreaser
 WIPE #6 Solvent-Based Degreaser Aerosol
 RAPTOR Acid Etch Primer Aerosol
 RAPTOR Adhesion Promoter Aerosol
 MAXIMUM Professional Lint-Free Solvent Wipes
 MAXIMUM Tack Cloths
 MAXIMUM Tack Cloths
 MAXIMUM Premium Masks
 MAXIMUM Painters Overalls
 MAXIMUM Painters Overalls
 MAXIMUM Painters Overalls
 MAXIMUM Painters Overalls
 MAXIMUM Painters Overalls
 MAXIMUM Abrasive Latex Paper Discs P80
 MAXIMUM Abrasive Latex Paper Discs P120

Order Code

S2000/5 5L Canister
 S2001/5 5L Tin
 S2002/1 1L Tin
 S2002/5 5L Tin
 WIPE/AL 450ml Aerosol
 RPTEP/AL 450ml Aerosol
 RPTAP/AL 450ml Aerosol
 MWPP/350 100-pack
 TRAG/10 10-pack
 TRAG/50 50-pack
 RESPV 1-pack
 COVER/M 1-pack
 COVER/L 1-pack
 COVER/XL 1-pack
 COVER/XXL 1-pack
 COVER/XXXL 1-pack
 ABD7/VP80 100-pack
 ABD7/VP120 100-pack

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.

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