



RustSeal

TECH DATA SHEET

Technical Information and Specifications

Type of Coating: High Solid, Single Component Moisture Curing Polymeric Isocyanate.

Gloss: 75 - 95% depending on colour (Satin Black 60% gloss).

Solids: 72 - 76% depending on colour.

Flash Point: 40°C.

Viscosity: (at 25°C) 320cps.

VOC: Not more than 300gl.

Minimum Recommended Dry Film Thickness: (75-125 μ m) this is normally achieved in 2-3 coats.

Coverage: On porous surfaces like rust and corrosion approximately 9.5 - 11 m² per litre at 50 μ m thickness. Coverage will vary depending on surface profile, application method and film thickness.

Average Dry Times (at 25°C at 50% humidity): Touch dry 1 - 2 hours. Tack free 2 - 4 hours. Full cure after 24 hours.

Pot Life: Pot life will depend on local humidity conditions and the length of time the coating is exposed to moisture. Though providing the can is resealed well and only opened for limited periods at a time the average life is approximately 1 - 2 months.

Solvent: Use only KBS #1 Thinner. The use of other solvents can cause premature coating failure and/or loss of adhesion.

Recoat Times: 2 - 12 hours depending on humidity.

UV: RustSeal acts as a complete sealing surface tolerant primer but must be topcoated if exposed to direct UV light.

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Compatibility with other topcoats: RustSeal can be topcoated with any type of topcoat and primer systems including but not limited to urethanes, epoxies, enamels, fibreglass resins, water based coatings, lacquers and two component automotive refinishing products.

General Appearance & Characteristics: Smooth ceramic like finish with very high levels of flexibility and toughness. Strong resistance to impact, high temperature, abrasion and common aggressive chemicals including: acids; alkalis; salts; minerals; solvents; fuels and hydraulic fluids.

Storage Requirements: Store in cool dry conditions away from direct sunlight at 5 - 35°C

Container Availability: 250mls; 500 mls; 1 Litre; 4 Litres; 20 Litres; 200 Litres.

Performance Characteristics: Salt water resistance ASTM B-117 at 35 0C at 5% salt water for 2000 hours. No noticeable change.

Results of contact spot testing of RustSeal with various common materials.

RustSeal applied to steel Q panels at 100^{um} film thickness and placed in continuous contact with the following materials for 168 hours (7 days)

Product	Time	Result
Sodium Hydroxide 10%	168 hours	Some discolouration, coating intact
Sulphuric Acid 20%	168 hours	Some discolouration, coating intact
Hydrochloric Acid 40%	168 hours	No noticeable change
Phosphoric Acid 20%	168 hours	No noticeable change
Ammonium Chloride (Ferti	168 hours	No noticeable change
Brake Fluid	168 hours	No noticeable change
MEK (strong solvent)	168 hours	No noticeable change
93 Octane Fuel	168 hours	No noticeable change
Xylene	168 hours	No noticeable change
Hydraulic Fluid	168 hours	No noticeable change
Diesel	168 hours	No noticeable change

Information contained herein is to our knowledge true and accurate, but all recommendations or suggestions are made without guarantee. Since their application lies outside our control, we cannot accept any liability for the results. User shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith.

Manufactured by Advanced Protective Technologies Pty Ltd
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