

Rust Protection 2000 Plus Spray is a very high quality, long lasting type of rust and corrosion prevention spray. Available in two colours (charcoal-grey and silver-grey), this spray is used to protect all kinds of metal surfaces.

It got its name because of its performance in the ISO 9227 Salt Spray Test. In this test components coated with Rust Protection 2000 Plus were bombarded with concentrated salt. The results were impressive, greater than 2000 hours of protection which is equal to around 20 years of natural weathering in Australian conditions.

Surfaces coated with Rust Protection 2000 Plus Spray will be effectively protected from corrosion and rust. The barrier it creates is weather resistant and water repellent whilst also showing good ability to withstand scratching and other forms of abrasion. This coating also has good flexibility and showed no hair cracking when subjected to a mandrel bend test (important if coating parts where movement, vibration or thermal expansion is likely).

Rust Protection 2000 Plus Spray is manufactured by Weicon in Germany. It is based on high-purity ferric oxide pigments and an acrylic resin binder. These pigments are flaky which is of critical importance. Unlike pellets, flaky pigments natural settle to form a higher density, less-penetrable layer which allows them to provide longer-lasting protection.

This is a very easy to use spray that will provide permanent protection for treated parts and surfaces. It'll be dust dry after around 30 minutes and fully hardened after 24 hours. Once it is fully hardened, it can be painted if desired. It will also withstand temperatures up to 300°C.

### Applications

- Coating and protecting iron railings and lattice towers.
- Coating and protecting exposed surfaces, parts and fittings on gates.
- Protecting trailers from rust and corrosion.
- Coating exposed metal surfaces in the marine and boating sector.
- Rust prevention for all kinds of metal fences, handrails and balcony railings.
- Touching up areas on metal objects and surfaces where other forms of rust prevention have worn away or are not able to be applied.
- All kinds of metal parts that have a high risk of corrosion (e.g. welding seams, cut edges & drilled holes).



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#### Important

The values listed here and the information presented should not be treated as a substitute for specific technical advice. We cannot warrant the products performance or suitability for particular applications.

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**Technical Details**

Colour(s)	Charcoal-Grey (DB 703) & Silver-Grey (DB 701)
Areas of Use	Indoors and Outdoors
Binding Agent	Acrylic Resin
Pigment	Ferric Oxide (Hematite)
Pigment Purity	>90% Ferric Oxide
Percentage of Metal in the Dry Film	58% (Approx.)
Specific Gravity	1.3 – 1.4 g/cm <sup>3</sup>
Processing Temperature	+5°C to +35°C (Ideal is 18°C – 25°C)
Consumption w/ 1.5 Cross Coats	160ml / m <sup>2</sup> (Approx.)
Layer Thickness w/ 1.5 Cross Coats	60-80µm
Dust Dry After	30 Minutes (Approx.)
Hardened After	24 Hours (Approx.)
Paintable After	24 Hours (Approx.)
Abrasion Resistant	Yes
Cross-Cutting (DIN 53151 / ISO 2409)	Cross Cut Characteristic GT 0 to GT 1
Salt Spray Test (ISO 9227)	>2,00 Hours*
Mandrel Bend Test (DIN EN ISO 1519)	No Hair Cracking
Temperature Resistance After Complete Hardening	-50°C to +300°C
ISSA References	53.402.40 & 53.402.41

\*Applied in two cross-coated layers onto an undamaged zinc undercoat.

**Preparation of the Surface**

Before using Weicon Rust Protection 2000 Plus Spray, ensure that the surface to which this spray will be applied is clean and completely free of grease or other contaminants (we suggest Weicon Cleaner S for this task).

**Processing**

Shake can before use. Spray two cross-coated layers of Rust Protection 2000 Plus evenly at room temperature (20°C approx.) from a distance of about 25cm from the surface. Rust Protection 2000 Plus will be dust dry after approximately 30 minutes and should be fully hardened in about 24 hours depending on environmental conditions.

**Storage**

Containers of Rust Protection 2000 Plus Spray should be stored away from direct sunlight and not exposed to temperatures in excess of 50°C. Minimum shelf life is 24 months.

**Available Sizes**

Rust Protection 2000 Plus Spray is available in from Swift Supplies Online Australia in 400ml Aerosol Spray Cans.

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