

Weicon Zinc Spray is a very high quality form of cold galvanising spray used to permanently protect exposed metal. Once applied, Zinc Spray will form a fast-drying and extremely long lasting protective layer. This layer will protect the coated surface from moisture and prevent rust or cathodic corrosion.

Unlike many other types of Zinc Sprays and Cold-Gal sprays, Weicon Zinc Spray is manufactured using very high purity zinc flakes, rather than zinc pellets. The flakes naturally settle to form a more robust, harder to penetrate protective layer which allows our Zinc Spray to provide extremely good, long-term performance.



This performance has been tested in the DIN 53167 and DIN 50021 Salt Spray Test wherein a surface coated with Zinc Spray is bombarded with concentrated salt. In these conditions, Weicon Zinc Spray lasted over 550 hours. Roughly equal to 7-8 years of natural weathering in Australian conditions.

Weicon Zinc Spray is manufactured from a combination of high purity (99.9% pure) Zinc and Aluminium Pigments combined with a styrenated alkyd resin binding agent. It will stick to all metal surfaces and does not need a primer to be applied beforehand. Once it's dried, the percentage of metal in the dry film is a (very high) 70%.

Zinc Spray will be dust dry around 15 minutes after application and hardened after about 12 hours. It can be painted over, but should be left for 24 hours before you do so. Fully hardened Zinc Spray will withstand temperatures between -50°C and +500°C.

Zinc Spray has a colour that matches that of slightly weathered Zinc (RAL 9006) and is approved by the German-TUV (German technical inspection association).

Applications

- As an anti-rust primer for metal that will be painted or coated.
- For coating and protecting welded joints
- Protecting exposed metal edges on galvanised parts and fixtures
- For protecting and coating drilled holes
- As a conductive intermediate layer for spot welding
- In many, many other applications where metal parts need to be protected from corrosion.

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	Zinc (Grey, Slightly Weathered) (RAL 9006)
Areas of Use	Indoors and Outdoors
Binding Agent	Styrenated Alkyd Resin
Pigment	Flaky Zinc and Aluminium Pigments
Pigment Purity	99.9% (Both Zinc and Aluminium)
Percentage of Metal in the Dry Film	70% (Approx.)
Specific Gravity	1.1 – 1.3 g/cm ³
Suggested Primer	Not Required
Processing Temperature	+5°C to +35°C (Ideal is 18°C – 25°C)
Consumption w/ 1.5 Cross Coats	150ml / m ² (Approx.)
Layer Thickness w/ 1.5 Cross Coats	30-50µm
Dust Dry After	15 Minutes (Approx.)
Hardened After	12 Hours (Approx.)
Paintable After	24 Hours (Approx.)
Abrasion Resistant	Yes
Cross-Cutting (DIN 53151 / ISO 2409)	Cross Cut Characteristic GT 0
Salt Spray Test (ISO 9227)	>550 Hours
Mandrel Bend Test (DIN EN ISO 1519)	No Hair Cracking
Temperature Resistance After Complete Hardening	-50°C to +500°C
IMPA Reference	45 08 11
ISSA Reference	53.402.06

Preparation of the Surface

Before using Weicon Zinc 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 until the mixing ball can be heard clearly. Spray on Zinc Spray evenly and crosswise at room temperature (20°C approx.) from a distance of about 25cm from the surface. Zinc Spray will be dust dry after approximately 15 minutes and should be fully hardened in about 10-12 hours depending on environmental conditions.

Storage

Containers of Zinc 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

Zinc Spray is available in from Swift Supplies Online Australia in 400ml Aerosol Spray Cans.

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