

## I. Product Description

CRC Zinc It offers the same advantages as hot-dip galvanising by forming a highly-protective coating with 95% highest purity zinc on bare steel or iron surfaces. It is ideal for repairing damaged galvanised surfaces or as a convenient and easy-to-apply alternative if hot-dip galvanising is not available.

The zinc particles fuse directly to clean metal and form an electro-chemical bond that – due to sacrificial anodisation of zinc – stops rust and rust creepage, even when scratched, abraded or dented. The quick-drying, tough coating is resistant to salt corrosion, water and heat and makes CRC Zinc It the premium product if long-term protection in harsh conditions and highly corrosive environments is required.

CRC Zinc It provides excellent cover and is capable to be applied as a heavy film for extra protection without forming runs. Delivered from a unique aerosol system giving a smooth even coat. Ongoing protection can be achieved through simple re-coating within 6 years, depending on conditions. Protection in extreme conditions may require re-application more frequently.

CRC Zinc It can act as a finish coat on clean iron, steel and their welds. Top-coating CRC Zinc It with another product of CRC's Zinc coating range provides extra protection and a selection of bright metallic or coloured gloss finishes – the ultimate choice for your application. If other colours are required, CRC Zinc It can be top-coated with most standard decorative paint systems for metals.

## II. Features & Benefits

- **Zinc-rich** – 95% highest purity zinc in the dried film, fuses directly to iron or steel surfaces
- **Weld through** – Zinc It provides a unique coating that can be welded through
- **Same advantages as hot-dip galvanising** – Exceptional rust protection
- **Excellent adhesive qualities** – Forms a tough coat for long-term protection
- **Easy application** – High film build in one step
- **Heavy-duty** – Resistant to salt corrosion, water and heat. Powerful protection in harsh conditions.
- **High Heat Resistance** – Up to 500°C
- **Long-term corrosion protection** – Corrosion Protection Factor 72 (up to 6 years outdoors, depending on conditions)
- **Sacrificial anodisation of Zinc** – Stops rust and rust creepage even when scratched, abraded or dented
- **Fast drying** – Touch dry in 20 minutes, recoat at any stage, full cure in 24 hours
- **Easy re-application over existing film and/or clean surfaces** – For ongoing protection
- **Finish coat** – Can act as the finish coat, no need for primer
- **Excellent primer** – May be over-coated with most standard protective paint systems for metal
- **Ready to Use Aerosol** – No additional mixing or chemical additives required. Easy application. No clean up.
- **Does not contain CFCs, methylene chloride**
- **Excellent weldability**
- **MPI Approved C23**
- Satisfies the requirements for and complies with AS/NZS 3750.9 Organic Zinc Rich Primer.
- Zinc It does not contain any dye, ink or pigment. The product is not a **SPRAYCAN** as detailed in the **Summary Offences Act 1981** and as such is not controlled by **Section 14B – Access to Spraycans to be Restricted**.



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### III. Compatibility

**Can be applied over:**

Bare steel, iron and their welds.

**Can be overcoated with:**

Itself. CRC Prep It. CRC Bright Zinc. CRC Stainless Steel+Zinc. CRC Copper+Zinc. CRC Coloured Zinc. CRC Black It. CRC White Out. Most standard decorative paint systems for metal.

**Recommended System:**

CRC Zinc It can act as a finish coat on bare metal or can be painted over. To promote a high quality topcoat finish, apply CRC Prep It as an intermediate primer over CRC Zinc It prior to topcoating.

**Surface Preparation:**

1. Remove signs of corrosion with a wire brush or emery paper or similar.
2. If rust cannot be removed, treat surface with CRC Rust Remover after thoroughly abrading rusty areas with a wire brush.
3. Clean surface with CRC Brakleen or similar degreaser if required.
4. Where possible, abrade surface with disc grinding, wire brush or sandpaper.

**Application:**

1. Shake can until agitator ball is moving freely and then for at least 1 further minute to ensure content is thoroughly mixed.
2. Apply with smooth even strokes to clean, dry surface holding can approximately 25cm from surface until desired coverage is achieved.
3. When finished spraying, clean valve by turning can upside down and pressing button until only pressure escapes.

### IV. Typical Properties and Characteristics

**Physical Properties:**

<b>Zinc Content In Dry Film</b>	95% by weight
<b>Propellant (Aerosol)</b>	LPG
<b>Flash Point</b>	-81°C (Propellant)
<b>Temperature Range</b>	Up to 500°C intermittently, up to 320°C continuously
<b>Corrosion Protection Factor</b>	72
<b>Reapplication period Indoors</b>	As required
<b>Reapplication period Outdoors</b>	Up to 6 years, depending on conditions
<b>Colour</b>	Grey
<b>Specific Gravity</b>	2.1

**Performance Characteristics:**

<b>Corrosion Resistance</b>	>1250 hours [ASTM B117]
<b>Touch Dry</b>	15-20 minutes
<b>Full Cure</b>	24 hours
<b>Time to Overcoat</b>	1 hour
<b>Theoretical Coverage</b>	Up to 2m <sup>2</sup> /aerosol can
<b>Clean up with</b>	Mineral turpentine or white spirits



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## V. *Package Description*

Part Number	Size
2085	350g Aerosol
2125	500g Aerosol

## VI. *Special Precautions*

### **General:**

Extremely flammable aerosol, highly flammable liquid and vapour. Keep away from naked flames, electrical appliances/lights, lighted cigarettes, etc. Do not spray on open flame or other ignition source. Use with adequate ventilation. Store in a cool, well-ventilated area. Do not eat, drink or smoke when using this product. Dispose of empty containers safely. All unused product should be disposed of in conformance with local and HSNO regulations, do not contaminate water supply.

### **Aerosol Cans:**

Do not puncture, incinerate or store above 50°C. Exposure to high temperatures may cause can to burst. Do not place in direct sunlight or near any heat source. Aerosol cans will conduct electricity. Keep away from all live electrical sources including battery terminals, solenoids, electrical panels and other electronic components. Failure to observe this warning may result in serious injury from flash fire and/or electrical shock.

### **First Aid:**

Swallowed – Avoid giving milk or oils or alcohol. Not considered a normal route of entry.

Skin – Remove contaminated clothing and wash skin thoroughly with soap and water. Remove any adhering solids with industrial skin cleansing cream. Do not use solvents. Seek medical attention in the event of irritation. Wash contaminated clothing before reuse.

Eyes – Immediately hold the eyelids apart and flush the eye continuously for at least 15 minutes with fresh running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Transport to hospital or doctor without delay.

Inhaled – Remove to fresh air. Lay patient down. Keep warm and rested.

Refer to Material Safety Data Sheet for more details.

TECHNICAL DATA SHEET Version 10/2023

**PRODUCT WARRANTY:** CRC offers a conditional warranty of this product for the period of 5 years from the date of manufacture.

**DISCLAIMER:** All information on this data sheet is based on testing by CRC Industries NZ. All products should be tested for suitability on a particular application prior to actual use. CRC Industries makes no representations or warranties of any kind concerning this data.