



CRC Industries NZ
Auckland NZ

I. Product Description

CRC Bright Zinc's unique formulation combines superior rust inhibiting properties of zinc with a tough but flexible enamel coating for heavy-duty protection and a bright finish of new galvanising. Pure zinc particles are embedded in a resin system which forms a quick-drying highly-protective coating on bare steel or iron, with more than 50% highest purity zinc in the dried film.

This organo-zinc coating provides an effective barrier for protection of treated surfaces from environmental conditions like moisture, humidity, water and heat while the zinc particles – due to sacrificial anodisation of zinc – stop rust and rust creepage if the coating is scratched, abraded or dented. CRC Bright Zinc provides a gloss top-coat finish but unlike standard paint systems, resists undercutting and blistering from corrosion.

CRC Bright Zinc is ideal for touch-up and repair of damaged galvanised surfaces and effective long-term rust protection with the bright look of a newly galvanised surface. For ultimate protection, prime the metal surface with CRC Zinc It then apply CRC Bright Zinc as a top coat.

CRC Bright Zinc 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 5 years, depending on conditions. Protection in extreme conditions may require re-application more frequently.

II. Features & Benefits

- **Zinc-rich** – More than 50% highest purity zinc in the dried film, embedded in a protective enamel coating
- **Protective Coating** – Resistant to salt corrosion, water and heat. Powerful protection in harsh conditions.
- **Bright galvanised finish** – Ideal for repair of damaged galvanised surfaces to restore rust protection
- **Excellent adhesive qualities** – Forms a tough coat for long-term protection
- **Easy application** – High film build in one step
- **Heat Resistance** – Up to 120°C
- **Long-term corrosion protection** – Corrosion Protection Factor 60 (up to 5 years outdoors before recoating is necessary, 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 immediately, full cure in 24 hours
- **Easy re-application over existing film and/or clean surfaces** – For ongoing protection
- **Single coat** – No overcoating required. For additional protection, prime the metal surface with CRC Zinc It prior to applying CRC Bright Zinc.
- **Ready to Use Aerosol** – No additional mixing or chemical additives required. Easy application. No clean up.
- **Does not contain CFCs, methylene chloride**
- **MPI Approved C23**



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III. Compatibility

Can be applied over:

Bare steel, iron and their welds. All metal surfaces. CRC Etch It. CRC Zinc It. CRC Prep It. CRC Prime It.

Can be overcoated with:

Itself.

Recommended System:

CRC Bright Zinc can act as a finish coat on bare metal. For ultimate protection,

1. Prime the metal surface with CRC Zinc It,
2. Apply CRC Prep It as an intermediate coat if required,
3. Apply CRC Bright Zinc as finish coat.

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 Converter 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:

Propellant (Aerosol)	Hydrocarbon
Flash Point	-81°C (Propellant)
Temperature Range	Up to 120°C
Corrosion Protection Factor	60
Reapplication period Indoors	As required
Reapplication period Outdoors	Up to 5 years, depending on conditions
Colour	Dries to the colour of new galvanising

Performance Characteristics:

Touch Dry	15-20 minutes
Full Cure	24 hours
Time to Overcoat	1 hour
Theoretical Coverage	Up to 10m ² /1L Up to 2m ² /aerosol can
Clean up with	Mineral turpentine or white spirits



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V. Package Description

Part Number	Size
2087	400ml Aerosol
2187	1L Can

VI. Special Precautions

General:

Extremely flammable aerosol, 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 – Do not induce vomiting. 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 08/2015

PRODUCT WARRANTY: CRC offers a conditional warranty of this product for the period of 2 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.