



COLD GALVANISING SPRAY ZINC GALVANIC PROTECTIVE COATING

GENERAL DESCRIPTION



Cold Galvanising Spray is a unique combination of zinc powders and resins, formulated to form a high performance zinc-rich coating that actively fights rust and corrosion by its galvanic properties. Ferrous metals are protected by the sacrificial action, even when scratched or damaged. Zinc becomes the anode which is attacked by corrosion and the base metal the cathode. A film of water-insoluble zinc oxide is formed, which stops rust and corrosion.

FEATURES

- Excellent touch-up for damaged galvanized surfaces.
- Allows spot welding.
- No chlorinated solvents. Totally lead and chromate free.
- Excellent corrosion resistance through cathodic protection even when the coating is scratched or damaged.
- Good mechanical resistance due to the excellent adhesion on metal.
- Specifications:
 - NSN 8030-01-120-3553
 - BSEN 1461 - 1999
- Can be over painted by most commonly used finishes.

APPLICATIONS

For general use in all situations where clean and degreased metal surfaces need to be protected against corrosion:

- Power generation equipment
- Transmission towers
- Ships
- Sub-station equipment
- Structural steel
- Roofs Guard rails
- Storage tanks.
- Off shore oil rigs
- Home, garden and farm equipment
- Trailers
- Transformers
- Radio and T.V. relay towers
- Fencing
- Railroad equipment
- Coastal and ship borne installations
- Welding seams rivet holes
- Repair of galvanized parts

DIRECTIONS

- Shake aerosol can very well for at least one minute after agitator ball is free. Repeat frequently while using.

- Apply to a clean, dry surface for best results. Remove rust and scale with a wire brush.
- Apply in light, even coats; best results are obtained with 2 lighter rather than 1 heavy coat. Additional coats can be applied after 10-15 minutes. A minimum film thickness of 40 µm is needed for adequate protection.
- When finished spraying, clean aerosol valve by turning can upside down and pressing button until only propellant escapes. If clogging occurs, remove button and clean orifice with fine wire.
- Do not use on energized equipment. Use in well ventilated area.

TECHNICAL DATA

| | |
|----------------------------|----------------------------------|
| Appearance | : smooth, dull grey finish |
| Specific Gravity (@ 20°C): | : 1.45 |
| Flash Point (closed cup) | : < 0°C |
| Coverage (40 µm dry film) | : 0.4 to 0.8 m ² /can |

Application Conditions

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|--|---------------------------------|
| Minimum Ambient Temperature | : 10°C |
| Minimum Surface Temperature | : 5°C; 3°C over dew point |
| Maximum Humidity | : 85% RH |
| Drying Time (dry-to-touch) | : 40 minutes |
| Curing Time | : 90% cured after 7 days @ 23°C |
| Purity of Zinc Pigment | : > 98.5% |
| Dry Film Properties (40-60 µm) Adhesion on Steel (ASTM D 3359) | : Gt= 0/1 |
| Zinc content in cured film | : >80% |
| Heat Resistance (4 h.) | : 200°C |
| Low Temperature Resistance | : -30°C |
| Salt Spray (*) (ASTM B 117) | : 350 h. (40 µm film thickness) |
| Hardness PERSOZ (after 24 h.) | : 106 s |
| Hardness PERSOZ (after 1 week) | : 142 s |
| Flexibility (6 mm mandrel, visual) | : pass |
| Packaging | : 12 x 400ml |

* Typical corrosion protection results will depend mainly on surface conditions and environment. It may be several months to over 1 year outdoors or more than 2 years indoors. The first application therefore should be checked periodically for signs of corrosion. Once the time of protection under any specific condition is determined, Cold Galvanising Spray may be re-applied at intervals to maintain protection.

STORAGE

The product may be stored at normal ambient temperatures and has a shelf life of not less than 48 months with correct storage. Aerosols should always be stored below 50°C, away from direct heat and naked flame.

HEALTH AND SAFETY

Health and Safety sheet available separately.

TECHNICAL SERVICE

CRC Industries UK Ltd provides a technical support service and maintains a constant programme of research and development. We are able to assist customers by specific product development to meet particular requirements.

MISREPRESENTATION ACT 1967

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TRADE DESCRIPTIONS ACT 1968

CRC Industries UK Limited, Wylds Road, Bridgwater, Somerset, TA6 4DD

Tel: 01278 727200 Fax: 01278 425644 Email: sales.uk@ambersil.com

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