Technical Data

Performance you can trust

COLD GALVANISING Spray

Optimum Galvanic Protection

Product Overview

ROCOL® COLD GALVANISING Spray offers ultra long term corrosion protection for metal components requiring a permanent zinc-rich mid-grey coating. Ideal for components that cannot be galvanised using a hot dip process. It can also be used to repair the surface of galvanised components that have been damaged or repaired prior to welding or other mechanical operations.

Typical Applications

Ports and docks, marine and offshore, farm and other industrial equipment:

Steel door and window frames, fences, gates, garage doors, trailer and caravan chassis, couplings, internal car body panels, structural steel and guard rails, welded seams, drains and boilers, storage tanks, piping and fittings etc.

Features and Benefits

- Ultra long term protection for ferrous metals – 3500 hours salt spray test.
- 95% zinc-rich coating – provides sacrificial cathodic protection to ferrous metals.
- Self-healing mechanism – scratches are re-sealed by the formation of zinc oxide and carbonates.
- Meets the requirements of ISO 3549 and ISO 1461 section 6.3.
- Unique combination of flexibility and hardness – highly resistant to peeling, flaking and abrasion.
- Exceptional water resistance – tough polymeric zinc-rich film.
- Outstanding temperature resistance: -30°C to +450°C.
- High performance coating or primer – contains pure zinc, synthetic resin and additives.
- Non-toxic formulation – lead and chromate free.
- Excellent repair for galvanised surfaces – adheres well to metal surfaces.

Directions for Storage and Use

- Apply to a clean, degreased, dry surface for best results.
- Remove any residual rust and scale with a wire brush or other abrasive method.
- Rust removers based on phosphoric acid which leave an electrically insulating film should not be used as this will interfere with the galvanic protection action.
- Clean the area to be treated with a non-residue solvent cleaner such as ROCOL INDUSTRIAL CLEANER Rapid Dry Spray, p/c 34131, and ensure the solvent has evaporated completely before continuing.
- Invert can and shake vigorously for 2 minutes after the agitator ball starts to rattle. Shake frequently during use.
- Hold upright and spray from a distance of approximately 15-30 cm.
- Apply in light, even layers:
    - For best results apply 2 light films at 15-20 minute intervals rather than 1 heavy film.
    - Additional layers can be applied at 15-20 minute intervals.
- Clear nozzle after use - invert can and spray for 3-5 seconds until only propellant is expelled.
- Touch dry in 15 minutes at 20°C – Fully cured in approximately 24 hours at 20°C.
- If contact is unavoidable, test compatibility with painted or coated surfaces, plastics and rubbers prior to application.
- Storage temperature should be kept below 50°C. Storage area should be out of direct sunlight.
- Shelf life 4 years from date of manufacture.

Pack Sizes

Pack Size	Part Code
400ml	69515

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ROCOL A division of ITW Ltd

BS EN ISO 9001 Certificate No. FM 12448
BS EN ISO 14001 Certificate No. EMS 67596
OHSAS 18001 Certificate No. OHS 78173

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Typical Properties

Property	Result
Appearance	Medium grey dry film coating
Curing Time (20°C):	
Touch Dry	15 mins
Full Cure	Approximately 24 hrs
Applied Film	Resin bonded micronised zinc
Resin Type	Epoxy ester
Solids (applied film)	95% w/w zinc
Solvent	Hydrocarbon
Propellant	DME (Dimethyl ether)
Applied Film Thickness (1 coat)	0.1mm typical
Salt Spray Test (ASTM B-117):	
3,500 hours at 35°C	0% corrosion
Temperature Range	-30°C to +450°C
Coverage per Aerosol (0.1mm, dry)	2.0m^2

Values quoted above are typical and do not constitute a specification.

Safety Data Sheets

Safety data sheets are available for download from our website www.rocol.com or may be obtained from your usual ROCOL contact.

The information in this publication is based on our experience and reports from customers. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.

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