

ZINC PRO

Technical Data Sheet

Product name: Zinc Pro
Sales code: 32740

Creation date: 8/2016

Version: I

1: General description

CRC Zinc Pro is a unique combination of zinc powders and resins, formulated to form a high performance zinc-rich coating that actively prevents 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 salts is formed, which stops rust and corrosion.

2: 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.
- Can be painted by most of the commonly used finishes.

3: Applications

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

- | | |
|------------------------|-------------------------------|
| • Car body repair | Railroad equipment |
| • Trailers | Roof Guard rails |
| • Caravans | Steel cables |
| • Ships | Storage tanks |
| • Harbor installations | Welding seams and rivet holes |
| • Fencing | Repair of galvanized parts |
| • Structural steel | |

4: Directions

- Shake aerosol can very well, for at least one minute after agitator ball is free. Stir or mix bulk product well to obtain a homogeneous dispersion. 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.
- A safety data sheet (MSDS) according to EC Regulation N° 1907/2006 Art.31 and amendments is available for all CRC products.



5: Typical product data (without propellant)

- 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 m2/can
- Application conditions
 - 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/I
 - 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

6: Packaging

Aerosol

12x500 ML

7: Remarks

* Typical corrosion protection results will depend mainly on surface conditions and environment. It may be several months up 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, CRC Zinc Pro may be re-applied at intervals to maintain protection.

All statements in this publication are based on service experience and/or laboratory testing. Because of the wide variety of equipment and conditions and the unpredictable human factors involved, we recommend that our products be tested on-the-job prior to use. All information is given in good faith but without warranty neither expressed nor implied.

This Technical Data Sheet may already have been revised as a result of a change in legislation, availability of components or newly acquired experiences. The latest and only valid version of this Technical Data Sheet will be sent to you upon simple request or can be found on our website: www.crcind.com We recommend that you register on our website for this product, thus enabling you to automatically receive any future updates.