

# TECHNICAL DATA

## COLD GALVANIZING

### Zinc Rich Coating

#### Description

**Cold Galvanizing** is an organic zinc-rich coating with over 92% zinc in dry film. **Cold Galvanizing** provides long term protection to steel because of the cathodic (galvanic) action between the steel and the metallic zinc in the coating. This action prevents rust from developing under **Cold Galvanizing**. It also produces a self healing mechanism where the **Cold Galvanizing** is scratched; zinc oxides and carbonates form in the scratch and effectively reseal it. Metallic zinc coatings are universally accepted as the best method of rust prevention. **Cold Galvanizing** offers this protection combined with ease of preparation and application.

#### Areas of application

- Welds and damaged galvanizing
- Steel Structures
- Tank exteriors
- Wrought iron
- Ducting
- Trailers

#### Features

- Single pack –easy to use
- Surface tolerant
- 92% zinc metal in dry film
- Brush, roll or spray

#### Technical data

Pigment:	Microfine metallic zinc 92% in dry film
Resin:	Polystyrene – one pack
Colour/Gloss:	Grey matt
Volume Solids:	45%
Flash Point:	Over 45° C
Heat Resistance:	Up to 150° C
Water Resistance:	Excellent. Permanent immersion not recommended.
Corrosion Resistance:	Excellent

The information contained in this Technical Bulletin is as up to date and correct as possible as at the time of issue. The data provided should be used as a guide only as the performance of the product will vary depending on differing operating conditions and application methods.

The sale of any product described in this Technical Bulletin will be in accordance with ITW Polymers & Fluids Conditions Of Sale, a copy of which is available on request. To the extent permitted by law, ITW Polymers & Fluids excludes all other warranties in relation to this product.

The Complete System

## Directions for use

### Surface Preparation

- Prepare surface by thorough abrading to bright metal.
- Ideal preparation is abrasive blast cleaning to AS 1627.9 Class 2. This standard requires that millscale, rust and foreign particles are substantially removed and that grey metal is visible.
- The better the surface preparation, the longer the protection.

### Application

- May be applied by brush, roller or spray.
- Mix regularly during use.
- When spraying, agitate paint pot regularly to avoid settling of pigment.
- Aerosol – shake can frequently during use. Apply with smooth even strokes holding the can approximately 25cm from the surface. Several light passes are preferable to one heavy application.

### Application Data

Mixing:	Stir thoroughly with a flat stirrer before use and frequently during use Aerosol – shake can for at least one minute after agitator ball moves and frequently during use
Thinning:	Brush – not necessary Roller – not necessary Spray – 20-25% Galmet Industrial Thinner 400D
Clean up:	<b>Galmet Industrial Thinner 400D</b>
Spray pressure:	40-60 psi (280 – 420 kPa)
Recommended Film Thickness:	Wet – 165 microns    Dry – 75 microns
Coverage:	Brush:    6 sq m/L @ 75 micron DFT Spray:    6 sq m/L @ 75 micron DFT Aerosol: Up to 2 sq. metres per 400gm can
Dry Time:	20 min touch. 8 hours to recoat. 24 hours to hard dry

### Precautions

- Conventional enamels (such as **Galmet Rustpaint**) should not be used over zinc rich primers unless a barrier coat such as **Galmet Keytite Etch Primer** is first applied over the zinc rich coating.
- Do not apply over **Galmet Ironize**.

### Storage and Shelf Life

Store in dry conditions between 10°C and 50°C, away from sources of heat and naked flames. When stored in original sealed containers, the minimum shelf life is four (4) years.

### Packaging

**Cold Galvanizing** is available in 400g Aerosol, 250ml, 500ml, 1 litre, 4 litre pack sizes.

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#### AUSTRALIA

ITW Polymers & Fluids  
100 Hassall Street  
Wetherill Park NSW 2164  
Phone (02) 9757 8800 Fax (02) 9757 3855

#### NEW ZEALAND

ITW Polymers & Fluids  
Unit 2/38 Trugood Drive  
East Tamaki 2013, Auckland  
Phone (09) 272 1945 Fax (09) 273 6489

**Ordering Information:**

400g Aerosol	#GGCGA
250ml Tin	#GCG250M
500ml Tin	#GCG500M
1 Lt Tin	#GCG1L
4 Lt Tin	#GCG4L

**TDG Code:** Aerosol – UN1950 (Class 2.1 –Flammable Gas Subsidiary Risk Class 3 – Flammable liquid)  
 Bulk – UN1263 (Class 3 – Flammable Liquid Packaging Group III)

**Warning**

Aerosol spray is pressurised, handle according to instructions on label. Avoid breathing vapour or spray mist. Provide adequate ventilation in confined spaces. Avoid contact with skin and eyes. Follow first aid measures according to the Material Safety Data Sheet.

**Health & Safety Information**

The product is hazardous. A Material Safety Data Sheet is available from the ITW Polymers & Fluids Technical Department upon request or available on our website [www.galmet.com.au](http://www.galmet.com.au).

**Environmental Information****DISPOSAL OF USED PAINT TINS & AEROSOLS**

- Try to only purchase only enough paint for your job.
- The best and easiest way to dispose of left over paint is to use it all up. Apply another coat - (this will provide extra protection) or use it for another job. You might be able to give the paint to someone else who has a need for it.
- NEVER pour left over paint down the sink or into stormwater drains.
- Solvent based paints are a “household hazardous waste” – check if you local council holds a “Household Hazardous Waste Collection Day”. If your local community does not undertake such programs contact your local or state government Environmental Protection Agency, for disposal guidance.
- When empty and dry, please place the steel tin or aerosol in your local council’s curbside recycling service.
- For a free brochure on cleaning up after painting and the disposal of surplus paint ring 1800-807-568 (free call – Aust. Only)

Industrial Users: Contact a licensed waste management company to arrange disposal of unwanted paint.

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