

ColdGal Aerosol

Zinc rich primer

Description:

Galmet[®] ColdGal is an epoxy resin based zinc-rich coating with 93% zinc metal pigment in dry film.

Galmet[®] ColdGal 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 **Galmet[®] ColdGal**. It also produces a self-healing mechanism where if the **Galmet[®] ColdGal** 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. **Galmet[®] ColdGal** offers this protection combined with ease of preparation and application.

Intended Use:

- Protect steel from corrosion.
- Touch up welds and damaged galvanised steel.
- Fences & gates, ducting, trailers
- Exterior steelwork

Product features:

- **Single pack – easy to use**
- **93% zinc metal in dry film**
- **98.5% minimum zinc purity**
- **Easy to apply**

Typical Physical Properties:

Technical data should be considered representative or typical only and should not be used for specification purposes.

Classification	Organic zinc-rich primer	
Colour	Grey	
Pigment	Zinc metal powder	
Touch Dry Time	20 minutes	
Recoat after	4 hours	
Hard Dry Time	24 hours	
Temperature range	-20°C up to 150° C	
Recommended Dry Film Thickness	50 – 75 micron	
Coverage	up to 2.4 m ² per 480 g can	
Adhesion (cross-cut)	0 (100% adhesion)	AS 1580.408.4
Corrosion Resistance	> 2000 h (no red rust)	ASTM B117

Surface Preparation:

- Proper surface preparation is essential for obtaining maximum performance from this product.
- Steel previously exposed to saltwater should be thoroughly rinsed with fresh water and dried before coating.
- Coat surface as soon as possible after surface preparation to eliminate risk of surface contamination.

Bare Steel:

- Remove rough surfaces, sharp edges and weld splatter by abrading, sanding or wire brush.
- Rust, mill scale and existing paint films should be removed by scraping, sanding or wire brush.
- For best results abrasive blast clean to AS1627.4 Class 2.
- Remove dust, oil and grease by wiping with a clean cloth and a suitable no residue solvent (such as **Galmet[®] Enamel Thinner 300C**).
- Apply two coats of **Galmet[®] ColdGal**.

Priming:	<u>Galvanized Iron and zinc coated surfaces:</u> <ul style="list-style-type: none">■ For best results abrade surface slightly. (avoid removing excessive zinc from Galvanised steel surfaces)■ Remove dust, oil and grease by wiping with a clean cloth and a suitable no residue solvent (such as Galmet® Enamel Thinner 300C).■ Apply one or two coats of Galmet® ColdGal. <u>Rusty Surfaces:</u> <ul style="list-style-type: none">■ Remove all traces of rust, by scaping, sanding or wire brush.■ For best results abrasive blast clean to AS1627.4 Class 2.■ Galmet® ColdGal should not be painted over rusty steel.■ If rust cannot be removed use Galmet® Ironize followed by Galmet® Keytite Steel Primer. Do <u>not</u> follow with Galmet® ColdGal. <u>Bare Steel:</u> <ul style="list-style-type: none">■ Galmet® ColdGal should be used directly onto bare prepared steel.■ No primer or top-coat required indoors and in mild conditions.■ For best results the following primers may be used over Galmet® ColdGal:<ul style="list-style-type: none">■ Galmet® Keytite Etch Primer (Grey)■ Galmet® Spraypaint Primer. (Grey or Red)■ Before use, shake can for one minute after agitator ball moves and frequently during use.
Mixing Instructions:	<ul style="list-style-type: none">■ Apply with smooth even strokes, holding the can approximately 25 cm from the prepared surface.■ Build each coat by first applying a “mist coat” allowing a two minute “flash off” period before applying a “full coat” to surface.■ Avoid excess film build in a single coat --- three thin coats are better than one thick coat.
Application Instructions:	
Clean up:	Galmet® Industrial Thinner (400D)
Storage:	<ul style="list-style-type: none">■ Store at room temperature. Pressurised dispenser. Store in a cool place out of the sun. Do not store above 50°C.■ Shelf Life: 2 Years
Compliances:	<ul style="list-style-type: none">■ Complies with material requirements of AS 3750.9 Type I zinc-rich primer.■ Complies with material requirements of ASTM A780.
Chemical Resistance:	Resistant to spills and splashes of aliphatic solvents. Not recommended for acidic or highly alkaline conditions.
Limitations:	Not recommended for permanent immersion.
Precautions:	Please refer to appropriate material safety data sheet (MSDS) prior to using this product. For technical assistance, please call 1800-063-511 (Australia).
Warranty:	Galmet will replace any material found to be defective. Because the storage, handling and application of this material is beyond our control, we can accept no liability for the results obtained.
Disclaimer:	The information enclosed in this Technical Bulletin is as up to date and correct as possible as at the time of issue. The data provided in this Technical Bulletin 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.
Order Information:	GGCGA 400 g Aerosol

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