

## TECHNICAL DATA SHEET

# SILVER ZINC GUARD

## Liquid Cold Galvanising

Code 1481



### DESCRIPTION

Callington Silver Zinc Guard is a zinc coating containing metallic zinc, which protects clean steel in the same manner as hot dip galvanising, i.e., by cathodic reaction. Silver Zinc Guard gives exceptional long-term protection against rust and corrosion and weathers to the same colour as normal galvanising.

Callington Silver Zinc Guard is ideal to touch up and hide welded joints on metal structures and is suitable on all types of ferrous (mild and heavy gauge steel) substrates.

### FEATURES & BENEFITS

- Superior adhesion properties – allowing for long term protection
- 98% zinc purity
- Perfect match to hot dip galvanising
- 2-in-1 formula to protect and match in one easy step
- Ready to use aerosol with no additional mixing or additives required

### APPLICATION

Callington Silver Zinc Guard can be used in many applications such as fabrication, construction, over welding, bridges, fencing, structural, steel, hot dip deep repairs, boats and marine equipment, electrical installation equipment, air conditioning, heating systems, tanks, pipes, underground equipment, wrought iron, handrails, balustrading, and signposts.



### SURFACE PREPARATION / DIRECTIONS FOR USE

1. The metal iron surface must be cleaned thoroughly and be free of any low surface tension modifiers such as dust, wax, grease, oils and anti-rust additives.
2. Remove all traces of rust by wire brushing or mechanical means until sound metal surface is achieved.
3. Wipe the surface clean with solvent using a rag to remove traces of iron filings that may have been generated during the sanding operation. Allow the surface to dry thoroughly.
4. Do not use rust converter as this will lead to gassing and bubbling in the Silver Zinc coat due to the acid of the rust converter reacting with zinc dust and thus rendering it inactive.

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### SPRAY APPLICATION

- The aerosol should be shaken well to ensure contents are thoroughly mixed before using. Correct mixing will ensure a smooth uniform coating of the product.
- To provide maximum surface protection the surface must be thoroughly prepared.
- For best results on abrasive blasting, remove mill scale and any other surface contamination such as rust surface. This should be prepared to AS1627.9 Class2.
- Apply in even smooth strokes. Applying several light coats is better than applying one heavy coat.
- After spraying, invert can and press nozzle, this clears the jet for a quick start on the next application.
- Average thickness is a double pass coating (2 coats) thickness will be an average of 54um.

**NB:** When using an aerosol, the applications achieved vary from person to person. The slower you move over an area when spraying/applying the more product you will apply. The faster you move when spraying/applying the less of the product you will apply.

### DRYING AND RECOATING

Callington Silver Zinc will dry in 30 minutes and can be recoated after 1 hour. Allow for longer drying times during cold winter conditions. It is best to apply at temperatures in the range 15 - 30°C.

Callington Silver Zinc will fully cure within 1-2 days. It does not require a topcoat but can be over coated with acrylic or epoxy paint.

### COVERAGE

Approximately 1.2m<sup>2</sup>per can. Coverage is also dependant spraying technique.

### DURABILITY

When applied at 35 microns dry film thickness, Callington Silver Zinc will provide a minimum of 4 to 5 years of service on exterior exposure. Higher film thickness will prolong longevity. Recoating at intervals will serve to repair damaged areas and prolong the coating's life.

### ORDERING INFORMATION

Product Code	Packaging	Units/Carton
1481/400/BAB	400gram aerosol	12 units

### DANGER

Extremely flammable aerosol. Harmful if swallowed. Harmful when in contact with skin. Harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects. Risk of explosion if heated under confinement. Repeated exposure may cause skin dryness and cracking.

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### PRECAUTION

Keep away from heat/sparks/open flames /hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Use only outdoors or in a well-ventilated area. Avoid breathing mist/vapours/spray. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/ protective clothing/eye protection /face protection.

### FIRST AID

Take off contaminated clothing and wash before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Collect spillage. IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Rinse mouth. If skin irritation occurs: Get medical advice/attention.

### STORAGE & DISPOSAL

Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Dispose of contents/container in accordance with local regulations. Dispose of contents/container in accordance with local regulations.

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