

TECHNICAL DATA SHEET

SILVER ZINC GUARD RICH

Code 1481R

Maximum Cold Galvanising Rust and Corrosion Protection



DESCRIPTION

Callington's Silver Zinc Guard Rich is a high zinc content primer that provides long-term protection to steel due to the cathodic (galvanic) action between the steel and the metallic zinc in the coating. This action prevents corrosion from developing under the rich surface coating.

When coated with its sister product, Silver Zinc Guard Match it provides a surface finish that matches hot dip galvanising.

FEATURES & BENEFITS

- Exceeds ASTM A780/A780M* (93% zinc in dry film)
- Complies to AS/NZS 3750.9
- 98% zinc purity
- High % in zinc contents, providing maximum rust and corrosion protection
- Superior adhesions properties, allowing for long term protection
- Ready to use aerosol with no additional mixing or additives required
- Colour is matt grey

APPLICATION

Callington's Silver Zinc Guard Rich can be used on many applications such as fabrication, construction, over welding, bridges, fencing, structural, steel, hot-dip deep repairs, boat 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 a sound metal surface is achieved.
3. Wipe the surface clean using solvent and rag to remove any traces of iron filings that may have been generated during the sanding operation. Allow the surface to dry thoroughly.
4. Do not use a 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 for AS1627.9 Class2.
- Apply in even smooth strokes. Applying several light coats is better than applying one heavy coat.
- After spraying, invert the can and press the nozzle, this clears the jet for a quick start on the next application.
- The average thickness is a double pass coating (2 coats) thickness will be an average of 80um dry film.

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

DRYING AND RECOATING

Callington's Silver Zinc Guard Rich 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 of 15 - 30°C. Callington's Silver Zinc Guard Rich 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 1.2m² per can. Coverage is also dependant spraying technique.

DURABILITY

When applied at 35 microns dry film thickness, Callington's Silver Zinc Guard Rich 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
1481R/400	400gram aerosol	12 units

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DANGER

Extremely flammable aerosol. Causes serious eye irritation. Suspected of causing cancer. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways. Very toxic to aquatic life with long lasting effects. Risk of explosion if heated under confinement.

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 gas. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

FIRST AID

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. Take off contaminated clothing and wash before reuse. 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.

WARRANTY – All statements, information and data presented herein are believed to be accurate and reliable but are not to be taken as a guarantee, expressed or implied, for which seller assumes legal responsibility and they are offered solely for your consideration, investigation and verification. Statements or suggestions concerning possible use of this product are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe on any patent.

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