



## ANCHOR INDUSTRIAL COLD GAL

### PRODUCT DESCRIPTION:

Anchor Industrial Cold Gal is a fast drying, high solids, high performance 100% epoxy organic zinc rich coating designed to protect steel against corrosion when exposed to severe corrosive environments, such as salt and water. Anchor Industrial Cold Gal imparts corrosion resistance via sacrificial protection. The product contains 93% zinc dust in the dry film and at this level zinc to zinc particle contact is maintained and that the zinc is also in direct contact with iron. This configuration of zinc to zinc and zinc to iron in the presence of moisture stimulates a galvanic cell where zinc corrodes in preference to iron. The by products of corrosion of zinc are oxides of zinc namely zinc oxide, zinc carbonate and zinc sulphate all of which are inert compounds that become deposited on the upper surface of the coating thus protecting the underlying coating from further corrosion.

**APPLICATIONS:** Anchor Industrial Cold Gal is ideal for all types of ferrous substrates. Anchor Industrial Cold Gal can be used to replace galvanized iron that has been damaged by welding.

**SURFACE PREPARATION:** For the zinc to be in direct contact with iron, the iron surface must be cleaned thoroughly and be free of any contaminants such as dust, wax, grease, oils and anti rust additives that are applied to metal by steel manufacturers to prevent corrosion. Remove all traces of rust by wire brushing or mechanical sander until sound metal surface is achieved. Wipe the surface clean with Pacer P08 Wax & Grease remover and a rag to remove traces of iron filings that may have been generated during the sanding operation. Allow the surface to dry prior to coating.

**Do not** use rust converter as the acid in the rust converter will react with the zinc dust rendering the coating inactive and thus loss of anti corrosive properties.

**DIRECTIONS:** As zinc products can build up pressure on storage open can carefully wearing the necessary PPE. Stir the contents thoroughly with a broad flat stirrer or mechanical mixer to ensure even distribution of zinc throughout the paint. Stir occasionally during use. Apply by brush, roller or spray. If brushing or rolling thin sufficiently to avoid brush marks or roller streaks, as a guide up to 5% mineral turpentine may be required

depending on brush/roller type used and application conditions. When spraying via air atomized guns thin up to 10% with mineral turpentine using a nozzle orifice between 1.5–3 mm and nozzle pressure 30–50 psi. When spraying via airless spray gun thinning is not necessary but if required thin up to 5% with mineral turpentine using nozzle orifice between 0.46–0.53 mm and nozzle pressure 1700 psi.

**DRYING TIMES:** at 25°C < 50% RH

DRY TO TOUCH: 10 MINS

DRY TO HANDLE: 30 MINS

RECOAT: 1 HOUR

Allow longer drying during cold conditions or at temperatures below 15°C. Anchor Industrial Cold Gal will cure in 14 days however full cure will be achieved within 6 weeks and this is due to the time taken for zinc to react with the metal surface. Ideally apply between 15-30°C temperature ranges.

Anchor Industrial Cold Gal does not require a topcoat but can be top coated with an enamel, acrylic or epoxy top coat.

**COVERAGE:** Approximately 7m<sup>2</sup> per litre. Coverage is also dependent on film thickness, atmospheric conditions and application technique. A minimum 2 coat application with 50 microns dry film thickness is recommended.

**CLEAN UP:** Clean all equipment with Pacer F57 All Purpose thinner or mineral turpentine

**PACK SIZE :** 1L, 4L





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### TECHNICAL DATA:

Paint Type: 100% Epoxy.

Colour: Grey.

Gloss: less than 5 on 60° head gloss meter.

Volume Solids: 22%.

Specific Gravity: 1.84.

Heat resistance: Stable up to 160°C.

Water Resistance: Excellent for splash resistance.

Not recommended for submergence exposure.

**STORAGE:** Store away from sources of ignition, naked flames and direct path of sun and preferably in temperatures range 15°C to 30°C. When stored as specified the product has shelf life of two (2) years minimum.

**DURABILITY:** When applied at 50 microns dry film thickness Anchor Industrial Cold Gal will provide a minimum of 8 years of service on exterior exposure. Higher film thickness will prolong longevity. Anchor Industrial Cold Gal will whiten during the early stages of service and this is due to oxide formation on the surface which serves to protect the underlying coating, such whitening will increase steadily until 15 months of exposure then it will stabilize. Recoating at intervals will serve to repair damaged areas resulting from severe weather conditions and prolong coatings life.

**HEALTH & SAFETY:** Highly flammable - do not use near fire or open flame. Store in a cool place and out of direct path of the sun. Keep containers tightly sealed when not

in use. Keep Out of Reach of Children - If swallowed seek medical advice immediately or contact the Poisons Information Centre on 13 11 26. Spills and leaks can be contained with absorbent material such as sand, earth or saw dust. Dispose of waste products thoughtfully or through Chemical Waste Disposal Authority. Intentional misuse by deliberately inhaling contents can be harmful or fatal. Avoid breathing of vapor and mist. Provide adequate ventilation when spraying in confined spaces. Avoid contact with eyes and skin

**FIRST AID:** Please refer to Safety Data Sheet available at [www.cwbrands.com.au](http://www.cwbrands.com.au)

### DISCLAIMER:

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