

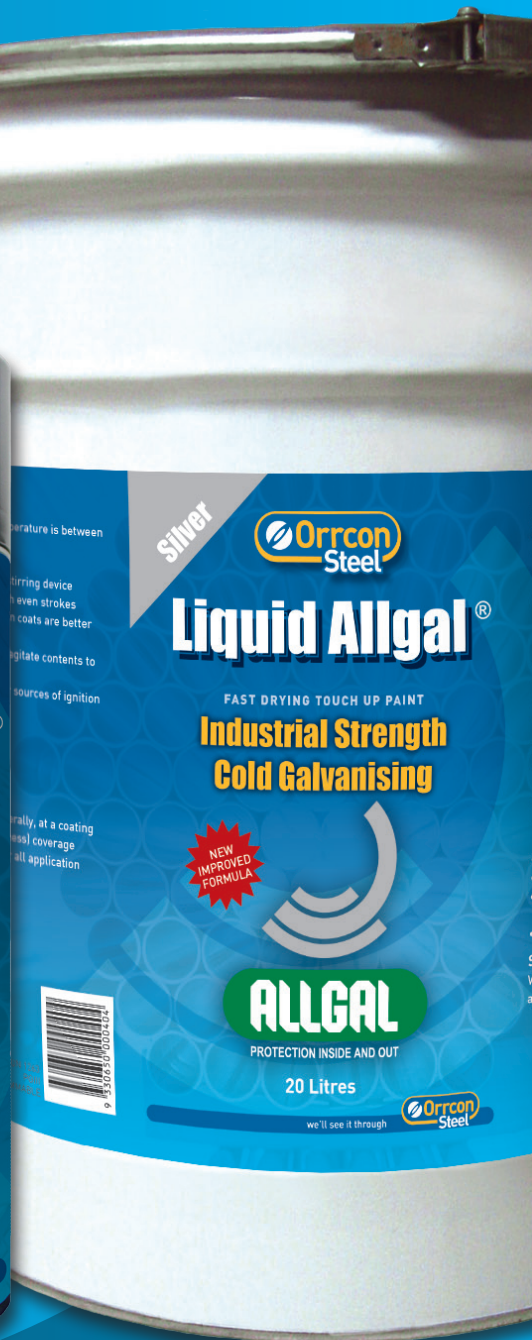
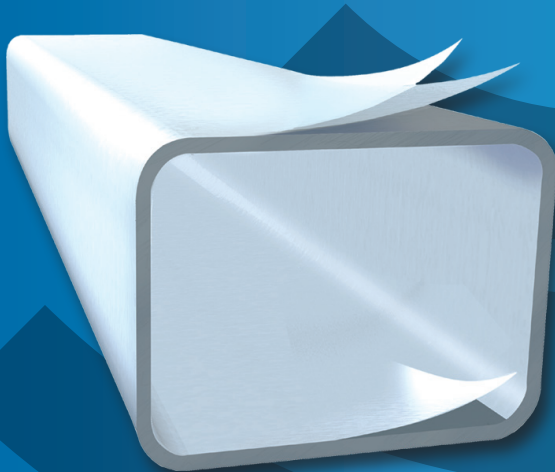
# Liquid Allgal®

TOUCH UP PAINT

## ALLGAL

PROTECTION INSIDE AND OUT

- ✓ Provides barrier protection with the combined benefit of high purity metallic zinc to deliver superior corrosion performance
- ✓ ALLGAL® Silver Colour – made specifically to suit Orrcon Steel's ALLGAL® coated steel sections
- ✓ Can be used as a touch-up paint for Hot-Dip Gal products
- ✓ Fast drying – touch dry in 15 minutes
- ✓ 400g cans & 20ltr drums available



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we'll see it through



# Technical Information

## Introduction

Liquid Allgal® is a fast drying, high solids and high performance zinc-rich epoxy coating. It has been formulated to protect all steel products against corrosion while providing a good colour match for electro-galvanised and hot-dip galvanised zinc coatings. Corrosion protection of steel surfaces by Liquid Allgal® is achieved using two levels of protection. The first provides barrier protection due to a tough epoxy binder which is combined with metallic pigment. The second provides sacrificial protection through a fine dispersion of zinc powder throughout the epoxy matrix. Liquid Allgal® is designed to deliver a suitable level of zinc content by mass in the dry film to provide adequate barrier protection. Liquid Allgal® is ideal for touch up applications to enhance the durability of existing zinc-coated steel structures. It is also suitable to protect and prime welds on steel fabrications, regardless of steel grade and gauge.

## Surface Preparation

The metal surface must be cleaned thoroughly and be free of any contaminants that may interfere with the adhesion of Liquid Allgal®, such as: dirt, grime, wax, grease, oils, other paint or ink and anti-rust additives applied by the manufacturer to prevent corrosion. For general dirt non-ionic detergent is suitable, while for grease and oil an alkali-emulsifying detergent is preferable over solvents which tend to spread oil and grease.

For bare steel surfaces, remove all traces of red rust by grit blast, wire brush or mechanical sanding until a sound metal surface is achieved. Do not use rust converter as this will lead to gassing and bubbling in the Liquid Allgal® coat due to acid in the rust converter reacting with zinc and rendering it inactive. For existing zinc coated surfaces, such as Allgal®, remove any loosely adherent zinc-oxide or white rust that may be on the surface using a light scouring action with a nylon scourer. Wipe the surface clean with solvent and a clean rag to remove any residual dirt or grit that may have been generated during the first surface preparation stage. Allow the surface to dry thoroughly. As all bare steel and zinc surfaces continually react with the atmosphere it is important to paint the surface within 3 hours of drying.

## Adjusting Spray Pattern

The fan jet may be adjusted for horizontal or vertical spraying by lifting off the head (actuator) and turning the yellow tip to vertical or horizontal position.

## Spray Application

1. Invert and shake the can thoroughly for 2-3 minutes to ensure even distribution. Ensure that the ball is rattling freely.
2. Shake occasionally during use.
3. Hold the can approximately 30cm from the surface. Depress valve head and spray with smooth even strokes horizontally then vertically.
4. Apply several light coats rather than one heavy coat.

## Drying and Recoating

Liquid Allgal® will dry to a light touch in 15 minutes and can be recoated after 1 hour. Longer drying times between recoating may be required if conditions are cold. It is best to apply at temperatures in the range of 15 – 30°C and avoid painting if humidity is high as moisture can condense on the surface. Liquid Allgal® will fully cure within 1-2 days.

Liquid Allgal® does not require a topcoat but can be over coated with acrylic or epoxy paint and can be welded through as long as appropriate safety precautions are taken to avoid breathing in any zinc fume that may be generated.

## Coverage

Application of 3 coats covers approximately 1.2 square metres per can. Coverage is also dependent upon spraying technique.

## Durability

When applied at a minimum dry film thickness, Liquid Allgal® provides durable exterior protection in a moderately corrosive environment. Some weathering of the surface is likely, which may include a loss of gloss as well as oxide build-up. Provided that the above recommendations are followed, the underlying steel surface will remain protected and suitable for a routine maintenance programme. Higher film thickness will prolong the expected durability.

Liquid Allgal® 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 from further corrosion. Recoating at intervals will serve to repair damaged areas and prolong the coating's life.

## Clean Up

After use turn the can upside down and spray until jet clears to prevent paint solidifying in nozzle during storage. Any overspray can easily be cleaned whilst wet with mineral turps or general purpose thinners.

## CAUTION

Highly flammable, do not use near fire or open flame. Do not incinerate or puncture the can even when empty. Keep in a cool place out of the sun. Do not store above 50 °C.

## WARNING

Intentional misuse by deliberately concentrating or inhaling contents can be harmful or fatal.

## KEEP OUT OF REACH OF CHILDREN

If swallowed seek medical advice immediately or contact:

**Poisons Information Centre on 13 11 26**

Propellant: Hydrocarbon

**DO NOT STORE INSIDE MOTOR VEHICLES**

**KEEP SPRAY AWAY FROM EYES**