

Objective: To case Study examples of Goldseal Industrial Hot spray in process environments (Ph1-12) where the chemicals used are in wet solutions in association with wash down procedures and condensation

Background: Processing environments are very challenging for surface coatings. Industries that involve machine vibration , conveyor chains for carcasses or hide stripping , fish farming and shellfish processing , dairying , mine ore processing and Galvanizing all involve wet chemicals, heat, vibration and condensation, often with hose down washing. These enclosed spaces often never really dry out. The mixtures of wet chemicals capillary into cracks and behind panels. The wet films often dry out on Horizontal building frames high above the process itself and allow chemicals to dry out. These continue to build up over the years with a relentless attack on the maintenance coatings.

Why Goldseal:

Going back 40 years these industries were the first to drive the development of Goldseal as paints of that era wouldn't last 3 years. Surface coatings have come along way in that time and so has Goldseal. While there are a range of chemical resistant coatings available Goldseal continues to deliver an enviable package of benefits.

- No sand blasting allows for whole processing areas to be prepared and coated in one shift down time.
- One application over sound paint , new or corroded galvanizing and encapsulation of environmentally unfriendly coatings reduces the need for their removal.
- A High Solids , high flexibility barrier to salt, chemicals and moisture results in a long service life without cracking , peeling or corrosion cell development at bolt/flange joints.
- Simple recoat at 15 to 20 years without stripping.
- Straightforward application in a difficult environment protects contract margin and client satisfaction.
- Overall contract complexity is reduced and Health and Safety issues optimised.
- Goldseal can be used in confined spaces , is packaged as a solid and has no Dangerous goods rating or shelf life.



Wool scour in New Zealand



INFORMATION BULLETIN

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Case Study: Galvanizing Plant Townsville

Australia. Goldseal can be applied over rusting steel, rusting Galv or new Galvanizing and has completed contracts for nearly every company in Australia and New Zealand for 30 years. In the acid fume release of a Galv plant Goldseal on new Galv portals will last 20 years plus.

Case Study: AFFCO (New Zealand's largest meat processor) New steel portals coated in 1975 were coated in Goldseal in a variety of processing departments and are yet to be recoated. See customer reference on website under Abattoirs.

Case Study : Mourgen Leather Australia. This customer is willing to give a verbal reference for Goldseal. There is a variety of differently aged applications in their leather Tanning facility. The applications have been in this wet chemical and salt brine environment for up to 10 years.

Examples of wet chemicals or chemical combinations in tanneries and wool scours.

- Lime
- Sodium Sulphide
- Ammonium Sulphate
- Sodium Meta bisulphate
- Brine salt concentrate
- Formic acid
- Sulphuric Acid
- Chrome Sulphate
- Hydrochloric Acid
- Sulphuric Acid

Goldseal holds customer documentation confirming field performance of 10-20 years in Ph environments from 1-12 without regular maintenance washing.

Goldseal Industrial Hot Spray should be specified where coatings show early breakdown in unwashed chemical environments after 5-8 years. Where coatings first break down at joints or are stressed by temperature change producing cracking or chipping, Goldseal CSI technology is an excellent long term cost effective solution.



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TO: Ross Fleming,
Rustproof Coatings Ltd

FROM: Warren Isaac
General Manager
Murgon Leather Pty Ltd

SUBJECT: "Goldseal" Corrosion prevention product

DATE: 19th May 2010

To Whom It May Concern

Murgon Leather has had the Goldseal corrosion protection system on our factory structural and roofing components since 1998 and have been very happy with the corrosion protection that the Goldseal provides. Recent inspections revealed that the steelwork under the Goldseal is as good as the day the product was applied.

I would have no hesitation in recommending the Goldseal product where good corrosion protection is required, especially in situations similar to our factory.

Warren Isaac
General Manager
Murgon Leather Pty Ltd

GOLDSEAL GROUP

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