



Objective: To case study the use of *Goldseal Industrial Rustproof* where chemical powders accumulate on maintenance coatings

Background: Many mainstream coatings perform well in benign environments or where regular rainfall or maintenance washing remove contaminants. However where bagged or loose chemicals are stored the presence of moisture is actively avoided due to the chemical fluids created in these warehouses.

Most storage facilities have wide daily temperature variations which causes their steel structures to expand and contract. If this is associated with processing machinery or conveyor systems then very flexible coating systems must be used to avoid corrosion cells developing at expansion and contraction joints.

Why Goldseal

- Goldseal has been formulated as a very flexible compound that will not crack or peel in expansion or vibration environments
- This technology does not require sand blasting or high pressure water blasting to prepare the surface
- As a single coat high solids formula (97%) a chemical resistant barrier coat can be applied in a single application to several thousand microns if required
- For a fertilizer plant, each bay can be cleaned and coated in one process, returning that bay to immediate service with the minimum of production time loss.
- Hand repair with time is simple and a recoat does not require stripping the previous application

Case Study: Fertilizer Plant Townsville Australia. Each bay was prepared and coated in 2 days. Empty bays were targeted and coated between 200 ton shipments. The 24/7 operation of the store was maintained throughout the coating procedure

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Contract Efficiency: Goldseal minimises the unknowns in difficult contracts

Shut down Efficiency: Less preparation , less coating time returns a plant to full output faster

Safety and Quality: High speed , high build encapsulation technology by Licensees with back to back manufacturing warranty delivers specifier and client peace of mind

Case Study: Fertilizer Plant Kwinana Western Australia. Epoxy coating break down evident at bolt and flange joints and beginning to break out on flat surfaces. Initially this was halted with hand application by boom lift while full recoating budget was accumulated.

Boom lift Close Up: Goldseal Industrial Hot Spray applied by 140 foot boom lift means areas can be cleaned and coated in one session without return visits for multiple coats and no threat of intercoat contamination

Case Study: Port fertilizer unloading shed at Napier New Zealand. Concrete bunkers , wooden purlins and Goldseal on structural portals is a cost effective long life combination in a chemical dust environment that is never maintenance washed.

GOLDSEAL GROUP

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