Winter is the Time to Protect your Chiller

At Corrocoat our technicians get busy in winter with work on chillers and heat exchangers.

There is a relatively small window to take chillers down and coat or rebuild tube sheets, end covers and water boxes.

Corrocoat have vast experience in protecting expensive capital equipment from corrosion and erosion in the oil and gas, mining and chemical industries, however due to the poor water quality in Perth and Adelaide, one of our biggest demands in winter comes from chillers in commercial buildings.

Corrocoat are recommended for corrosion protection of end covers, tube sheets and water boxes on new chillers by large manufacturers' such as Carrier, Dalkia and York.

To provide the best corrosion protection of your equipment we recommend the following:

- Ensure tubes are flush with tube sheets.
- Use stainless steel fittings for all instruments, drains, sockets and

A new chiller exhibits corrosion from its factory testing.

A chiller tube sheet after treatment with Corrocoat VEF

anodes.

- Protect all exposed surfaces with Corrocoat glass flake vinyl ester coating.
- Include anodes after coating for increased protection.

If you are confronted with chiller components that have suffered sever corrosion and damage Corrocoat are still able to assist you with their repair.

Corrocoat have a range of products and techniques that can be used to rebuild metal components back to their original profile and dimensions. Corrocoat products are extremely stable and certain products can also be machined to provide rebates for seals, mating components etc.

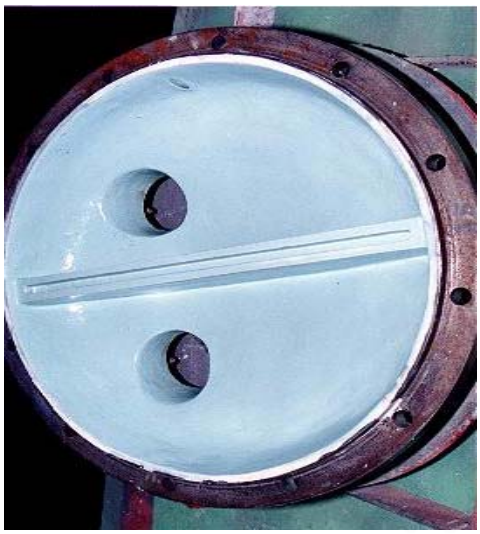
If you are working with a chiller that has components which have previously been coated, care should be taken when removing and replacing these components.
It is common practice to use metal tools such as screwdrivers and crowbars to separate end covers and water boxes from the chiller. In the process of removing components the coating can be damaged and if replaced without repairing the coating, will result in localised corrosion at these areas.

Another common trap is mistaking staining on coated components for corrosion. Often what appears to be corrosion in actually staining from valves, pumps and fittings located in the up steam pipe work that are severely corroded. This is a good sign to look further up steam and replace or repair the damaged equipment.

Corrocoat can also coat and repair pumps, valves and pipe work using similar materials and techniques.

If you have a corrosion issue don't hesitate to contact Corrocoat for assistance, it could save you a fortune.

An un coated cast iron end cover after 2 years service



The same end cover rebuilt using Corrocoat technology