

Standby Equipment & Protective Storage using Enviropeel

There is no point putting equipment into storage or on standby if, when you need it, it cannot be used. This may just be an inconvenience, if the component or machine is not absolutely vital for your operation, but, if essential equipment is not available when required, it could be disastrous.

Machinery can be idle from intermittent use, standby (redundancy), storage for spare parts, or for temporary decommissioning. In every case, making sure it remains fit for use must be an essential part of the planning procedure.

MOTHBALLING

Variables, such as the economy, military requirements - even changes in fashion - can lead to temporary peaks and troughs in activity. To maintain full capacity during slower periods, machinery may be 'mothballed', placed in storage and protected so it will be ready for action when required.

Depending on the complexity of the equipment, this can involve a number of procedures. In many cases, however, Enviropeel can provide a complete solution by partially or totally encapsulating vulnerable areas, preventing any deterioration.

STANDBY EQUIPMENT

A criticality index is often applied to key equipment in any process. This can define monitoring standards and the need for replacement equipment in case of breakdown.

Failure to provide standby pumps, for example, has been the subject of large fines when pollution has been caused by pump maintenance or breakdown. And costs from stalled production, because of the failure of critical components, may be substantial.

The ability to provide cost-effective long-term protection for standby assets is an important part of Enviropeel's

Below: A large mining component is prepared for storage in Western Australia



role in the provision of high quality active asset protection.

PROTECTIVE STORAGE

Sharing some of the characteristics of mothballing, protective storage is designed to ensure that strategic supplies and equipment are ready for use when required.

In Australia, failure rates for equipment stored for installation on mining conveyors was over 40% prior to the use of Enviropeel - after the use of Enviropeel began, the failure rate dropped to



Above: A large Enviropeel-protected component is in stark contrast to the unprotected steel in the background.

Below: If operational equipment is allowed to deteriorate like this, there is a good chance that your asset will become fit only for the scrapyard.



Above and below: Enviropeel protected equipment and components plus application of Enviropeel to stored equipment.



- 1 **Environmentally friendly - re-usable, recyclable and non-toxic**
- 2 **Used extensively in Asia, Australasia, Europe and the Americas**
- 3 **On offshore platforms, steel plants, mining equipment and LPG carriers**
- 4 **Easy to apply - simple to remove**

zero! On the same equipment, once installed, replacement rates were as high as every nine months. Following the introduction of Enviropeel, more than five years have passed without a single failure.

HOW DOES IT WORK?

Enviropeel works in two ways. First, because it is a sprayable thermoplastic coating, it provides a perfectly fitting, one-piece, encapsulating barrier coating on any substrate, preventing ingress of moisture or contaminating agents. Secondly, built-in inhibiting oils that are continuously released on to all substrate surfaces within the encapsulation provide constant corrosion protection.

Easy to strip off, non-toxic, reusable and recyclable, Enviropeel is the ultimate environmentally-friendly way to ensure the protection of all your vulnerable assets.

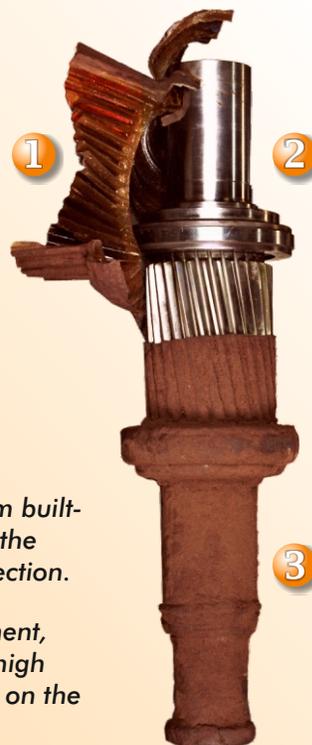


Above and left: Pipe ends and various other Enviropeel protected components.

HOW IT WORKS

The gear shaft on the right is a carbon steel component that has been coated with Enviropeel and stored outside for three years near the West Australian coast. The main protection mechanisms are indicated on the photograph and explained below:

- 1 Because Enviropeel is liquid when it hits the substrate, it fills every cavity and fits every contour perfectly, as you can see from the profile left in the peeled-back material. This tough outer layer provides passive protection from the environment.
- 2 The carbon steel surface is gleaming with deposits from built-in corrosion-inhibitors. These are released throughout the lifetime of the coating, providing active corrosion protection.
- 3 Exposure to the harsh NW Australian coastal environment, with salt laden atmosphere, high temperatures and a high iron content in the ever-present dust has had no effect on the protective strength of Enviropeel.



Technical information, equipment details and safety data sheets are available on our website EnviropeelUSA.com, where there is much more information on Enviropeel anti-corrosion systems.

Contact the EnviropeelUSA office for technical advice and availability in your area.

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