

US COAL MINING INDUSTRY

ENVIROPEEL
THERMOPLASTIC SYSTEMS

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Enviropeel is well-known for the success it has achieved in the Australian mining industry, with widespread acceptance following its outstanding performance for major companies there. In the US too, mining companies have found that Enviropeel reduces costs and downtime for both operational and stored equipment.

A case in point is the Patriot Coal facility in Kentucky, USA. Among applications for this company were 9 inch (22 cm) tail pulley bearings located underground at the base of the belt taking coal to the surface (see right). These bearings had been replaced a few days prior to the Enviropeel application due to contamination from coal dust and water.



belt shutdown and lockout, the bearings were cleaned and the Enviropeel applied. The belt was able to restart only fifteen minutes after completion of the coating.

Pulley bearing protection can increase component operating lifetimes by more than 500%, with enormous savings in bearing costs and the extensive labour

associated with replacement. Stored bearings mounted on spare tail pulleys were also coated with Enviropeel at the Patriot site (see below), as this protects the bearings during storage as well as after installation, with the easy access

afforded by the storage conditions adding to the cost-effectiveness of the operation.

In this location, water is used to reduce coal dust and for clean-up purposes, constantly exposing bearings and other components to contamination as well as corrosion.

The application equipment was lowered down the access slope to bring it closer to the bearings needing protection and, within an hour of the



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