

Pacifico Acciona Ferrovial JV

The utilisation of P47 has resulted in the reduction in quantities of geotextile required for the project and a measurable reduction in the cost of disposal of geotextile due to **soil binder P47 polymer application** for temporary stabilisation (reduction of 60% of environmental geotextile - project wide).

This product has an added benefit of reducing rework due to scour or batter failures during high intensity rainfall events and provides a **cost effective alternative** to traditional temporary stabilisation measures.

Environmental benefits:

- ✓ Application to batters for temporary stabilisation
- ✓ A measurable cost reduction in rework
- ✓ Reduction in geotextile quantities
- ✓ Reduction in waste generation post initiative



The Warrell Creek to Nambucca Heads Project requires environmental best practice in terms of erosion and sediment control during the construction phase of the project, enabling Pacifico to meet its Environmental Protection Licence requirements. In order to achieve this large quantities of geotextile and similar products are required **to provide temporary stabilisation and erosion protection** during construction.

This results in high project costs associated with the purchasing of geotextile, installation, removal and later disposal of this product. Pacifico has investigated alternative methods to achieve temporary stabilisation without the whole of life product issues associated with geotextiles. **P47 Soil Binder Polymer has been selected, post trial as the most cost effective alternative to geotextile.**

Short description:

Application of Soil Binder Polymer (P47) to areas of exposed subsoil to provide temporary stabilisation reducing the erosion potential and the use of alternative products (i.e. geotextile).

