Vinidex by aliaxis

Case Study

Mine Rehabilitation for Hazelwood Mine

Product:	StormPRO® DN900
Application:	Mining
Installers:	O&M Pty Ltd, RTL Mining and Earthworks & Foundation Civil and Mining
Local Authority:	Victorian Government
Project Owner:	ENGIE

What are the benefits of using Vinidex StormPRO®?

Vinidex StormPRO® provides reliability and ease of installation on site. As the product of choice for this project, product availability, superior material properties and resistance to an aggressive soil environment made it a superior choice and provide a long-term solution.

Project Background

The Hazelwood Power Station is a decommissioned brown coal-fuelled thermal power station located in the Latrobe Valley of Victoria.
In November 2016, ENGIE announced that the entire Hazelwood plant would be closed by the end of March 2017.

How did Vinidex StormPRO® provide a solution?

Extreme environments require a tough and durable solution – polypropylene offers high resistance to abrasion and resistance to numerous chemicals found in the mining environment.

The rehabilitation process for site owners, ENGIE, requires the installation of several stormwater controls over 3 levels of the mine pit area.

Spillways were installed to control stormwater during and after the rehabilitation period with 12 pits to be installed at each stage. They will use approximately 350m of DN900 StormPRO®.

Each section will be installed in trenches over 1.5m deep, with onsite contractors choosing to bench the trench which eliminates the use of shields or shoring. It also reduces several other risk factors, protecting the workers on the ground. StormPRO® is the product of choice for the installing contractors, who prefer to use it over alternative materials. The ease of installation and handling is a benefit to any project.

As the rehabilitation program continues Vinidex will work with ENGIE at Hazelwood Mine to provide environmentally conscious solutions, ensuring the end result is enjoyed by many generations to come.

StormPRO® is the best drainage solution for any mine rehabilitation project.