

CC Mining - Application and Case Study



Concrete Canvas (CC)'s cementitious fabric properties provides a new solution to Mines and Mining operation both above and below ground. It can be used as an alternative to poured or sprayed concrete or as a quick way of erecting strong permanent or temporary blast and vent structures.

CC's fabric roll form provides a fast alternative that solves the logistical difficulties associated with these methods. The prefabricated nature of CC means that it can be easily transported and stored underground. It can be supplied in man-portable rolls and quickly and easily fixed to the rock face using standard power tools such as fixing methods.

Applications for mining include:

- Spall Lining – Substrate stabilisation, fire resistant to Euroclass B
- Ventilation structures – Quickly constructed over a timber frame
- Blast walls – Ready in less than 24 hours
- Drainage and water management
- Ground Stabilisation
- Pipe protection

The two images to the right show a successful CC vent wall trial conducted in Mpumalanga for Optimum Coal Mining, via our South African distributor, Concrete Canvas SA in November 2010.



Miners and contractors in coal mine, South Africa



CC vent wall