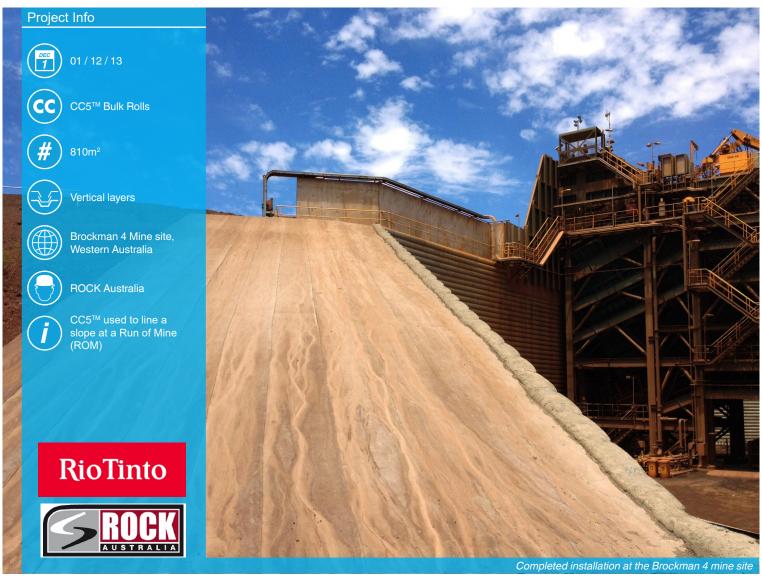


SLOPE PROTECTION



In December 2013, Concrete Canvas® GCCM* was used to line a slope at a Run of Mine (ROM)** situated in the Brockman 4 mine site, Western Australia. The customer's requirement was to prevent surface water from penetrating the slope, causing instability, as well as providing erosion control and weed suppression. CC was specified due to the speed and ease of installation as well as the most cost-effective solution compared to shotcrete.

Large rocks and vegetation were removed from the slope before the surface was levelled. Bulk rolls of 5mm thick CC (CC5TM) were unrolled down the slope using a crane and spreader beam, then the overlaps were hydrated before being sealed and screwed. Ground pegs were used to fix the CC5™ to the substrate along one edge and a grouted joint along the other, creating a water impermeable seal between the CC5™ and the retaining wall. At the crest of the slope, a transverse layer of CC5™ was used to overlap the vertical layers, then anchor trenched and fixed with ground pegs. A water cart was used for hydration.

In total 810m² of CC5™ were installed in 3 days by a team of 3. The bulk rolls enabled a fast, easy and costeffective install under very high temperatures of up to 43°C.

> *Geosynthetic Cementitious Composite Mat ** Mined ore of a size that can be processed without further crushing

> > *Geosynthetic Cementitious Composite Mat













SLOPE PROTECTION





















