

Project Info



05 / 12 / 13



CC8™ Bulk Rolls



105m²



Transverse layers



Albania, La Guarjira,
Colombia



MERT S.A.S



CC8™ used to line a
diesel containment pit
at a mine, to prevent
diesel contamination



Completed pit

In December 2013, Concrete Canvas (CC) GCCM* was used to line a diesel containment pit at a mine in Albania, Colombia, as part of a much larger project. The purpose of the pit is to contain any diesel spilled when re-fueling mine trucks. This is a requirement from The National Authority for Environmental Permits (ANLA) in order to prevent any damage or pollution to the surrounding environment.

Installation was carried out by Carbones del Cerrejón Ltd. Prior to the installation of CC8™, the ditch was graded to 45° and cleared of loose soil and rocks in order to ensure intimate contact with the substrate. Bulk rolls of CC8 were delivered and cut to length on-site to eliminate any wastage. Each length was positioned in place by the construction team, fixed using 13mm x 400mm ground pegs and joined using 20mm zinc screws at approximately 200mm centres. Adjacent layers of CC were overlapped by 100mm, and sealed with Sista FT 101 sealant. At the crest of the ditch, the CC was anchor trenched and backfilled to prevent ingress.

The entire project was installed by a team of six over a seven week period, in high temperatures and under a tight deadline. The completed project gained approval from the ANLA following a site inspection. This allowed the mining works to continue without incurring a financial penalty.

*Geosynthetic Cementitious Composite Mat





Installation of CC



Completed diesel containment pit