

## Project Info



22 / 07 / 13



CC5™ Batched Rolls



1000m²



Longitudinal and Transverse layers



Collado Mediano, Madrid, Spain



Construcciones Ayasa for ADIF



CC5™ was used to line a ditch and prevent rainwater runoff infiltrating a slope.



Completed installation

In July 2013, Concrete Canvas GCCM\* (CC) was used to line a slope in Collado, Madrid, Spain. Rainwater runoff was infiltrating the slope and risking slip, posing a threat to the nearby trackway. As part of the works, a series of ditches were also created.

Installation was carried out by Construcciones Ayasa for ADIF, the Spanish rail authority. Prior to the installation of 5mm thick CC (CC5™) the ditch and slope were cleared of any loose rock and vegetation. Bulk rolls of CC5™ were delivered and mounted onto a spreader beam hung from a crane. This was unrolled transversely down the slope and longitudinally along the ditch, with a 100mm overlap created between layers. The CC5™ was fixed to the substrate with ground pegs every 500mm and the overlaps were jointed with screws and sealant. Hydration was achieved with a 6000L bowser and pressure hose with spray nozzle attached, with re-hydration 1 hour later due to surface evaporation because of the high temperatures.

1000m² of CC5™ were installed in 4 days by 5 people, in high temperatures and on a difficult to access site.



Ditch and slope interface



Ditch junction

\*Geosynthetic Cementitious Composite Mat

