

Project Info



02 / 04 / 2015



CC8™ Bulk Rolls



250sqm



Longitudinal layers



64th Arrondissement,
Buzy, France



B.T.P.S.



CC8™ was used to line an earth ditch on a slope next to a railway line.



Completed installation

In April 2015, Concrete Canvas® GCCM* (CC) was used to line a ditch located next to a railway line in 64th Arrondissement, Buzy, France, at the southern end of the Belair Tunnel. The installation was conducted as a trial for SNCF, the French National Rail Authority, to see if it would be suitable as a standard product to use for ditch lining and other erosion control applications within their network. The site had some major access issues and using conventional concreting methods would have required a 400m access road to be constructed (and deconstructed afterwards); a costly and time consuming exercise.

Installation was carried out by B.T.P.S. and supervised by the French distributor Point P Travaux Publics. Prior to installation of 8mm thick CC (CC8™) the ditch was graded to profile. Heavy rains had caused the soil to become saturated which would have prevented the use of conventional concrete without damming and the use of a blinding layer. The properties of CC allow for installation even in difficult and damp conditions such as these. The material was mounted onto a spreader beam and unrolled down the length of the ditch in two layers, with an overlap of 100mm created between them. The material under the overlap was hydrated with a 1000L bowser before it was sealed with Everbuild Clearfix Adhesive sealant and jointed with screws every 200mm. The rest of the material was then hydrated, with a second hydration completed an hour later due to the high temperatures.

In total, 250sqm of CC8™ were installed in 3.5 hours by 5 people. SNCF were pleased with the speed and ease of installation and will continue to monitor the ditch to assess its performance as a standard erosion control product across their extensive rail network.

*Geosynthetic Cementitious Composite Mat





The graded ditch



Unrolling the first layer of CC



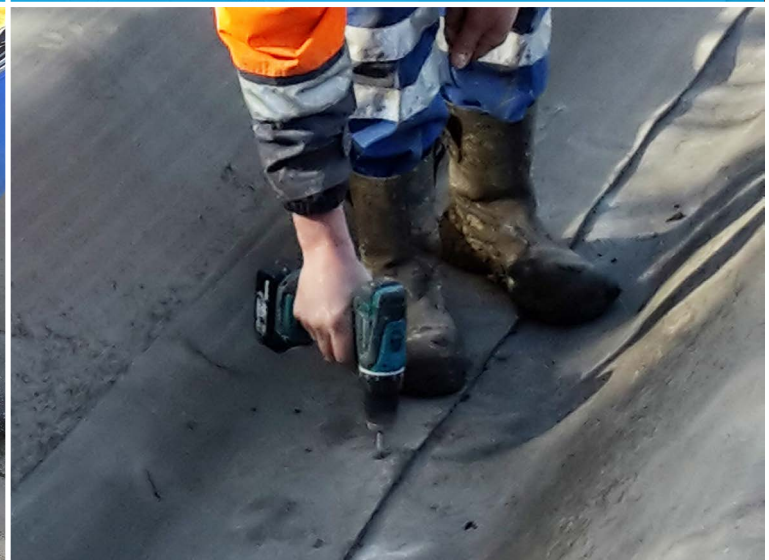
Unrolling the second layer of CC



Hydrating under the overlap



Sealing



Screwing