

## Project Info



08 / 08 / 12



CC8™ Bulk Rolls



1125m²



Longitudinal layers



Junction 12, M1,  
Bedfordshire, UK



Costain and Carillion JV



CC8™ was used to line  
a channel to prevent  
seepage and control  
water runoff



Completed installation

In August 2012, Concrete Canvas® GCCM\* (CC) was used to line a 320 linear metre drainage channel located at the top of a motorway batter. There were issues regarding seepage and a requirement to control water runoff. The site is located at junction 12 of the M1 in Bedfordshire, UK. CC was specified over traditional concrete solutions due to the speed and ease of install and the site accessibility issues that would have made conventional concreting difficult and time consuming. Installation was carried out by Costain and Carillion as a joint venture.

The channel was excavated using a plant and V-bucket combination, and anchor trenches were created on either side of the channel. Bulk rolls of CC8™ were delivered to site and unrolled using a spreader beam hung from an excavator. The CC was unrolled in 3 longitudinal layers with an overlap of 100mm. The CC was fixed to the substrate with ground pegs at approximately 2m centres along the crest of the channel. After hydration, the anchor trench was backfilled to prevent water ingress below the material.

*"The project was a success as the programme, originally scheduled for completion in 3 weeks, was completed in 5 days. Having used the product on previous projects, I knew the speed and ease of installation would be of great advantage to us."*

**Dale Flower BSc (Hons)**  
**J12 Roadworks Section Engineer, Costain Carillion Joint Venture**

\*Geosynthetic Cementitious Composite Mat







Site prior to works



Graded channel



Deployment of CC via spreader beam



3 layers were laid longitudinally, with bottom layer laid first



CC was pinned in anchor trench before being backfilled



Completed installation