

Project Info



09 / 02 / 15



CC8™ Batched Rolls



650m²



Transverse layers



M6, Great Saredon,
Wolverhampton, UK



Carnell



CC8™ used to prevent
blocking of a drainage
channel required to
collect water runoff from
an adjacent motorway

Carnell



Completed installation

In February 2015, Concrete Canvas® GCCM* (CC) was used to line a channel located next to the M6 in Great Saredon, Wolverhampton, UK. The 130m x 4m channel posed a flooding risk to the nearby motorway due to vegetation growth and erosion interfering with flow rates and causing blockages. A plastic liner was considered for the project, however this was deemed unsuitable due to the poor ground conditions. The works were carried out by Carnell for Highways England, with consultation from EM Highways.

The channel required some re-grading, a difficult task due to the softness of the ground, and vegetation was removed from the invert. Batched rolls of CC8™ were delivered to site, and unrolled across the channel by hand. Pegs were inserted through each overlap at the shoulder of the channel, and the overlaps were jointed with screws spaced at 200mm centres. CC easily accommodated existing pipework and the material was simply lapped up the sandbag headwall at one end of the channel. Hydration was achieved using a 1000L bowser and pressure hose with spray nozzle attached.

Installation speeds reached over 60m² an hour, on a difficult to access site with poor ground conditions and heavy rainfall. A total of 650m² of CC8™ were installed in this project. The contractor deemed the installation a success and they found CC quick and easy to use.

*Geosynthetic Cementitious Composite Mat





Channel excavated to profile



Batched rolls of CC8™ were laid transversely across channel



Termination at sandbag headwall



Screwing overlaps



Hydration



Completed project



Completed section of installation

'We were pleased with the speed of installation of Concrete Canvas, particularly given the ground conditions. We have since used Concrete Canvas on other projects to provide a fast, effective ditch lining solution and will certainly advise our clients to use in future.'

Richard Bardin
Contract Manager
Carnell