

## Project Info



03 / 08 / 10



CC5™ Batched Rolls



Unknown



Vertical layers



Fairlight Cove,  
East Sussex, England,  
UK



Geotechnical  
Consulting Group



CC5™ was used to  
protect slopes affected  
by landslide regression  
to prevent further slip and  
protect nearby dwellings



Completed installation

In June 2010, Concrete Canvas® (CC) GCCM\* was used to protect a slope as part of a major coastal protection project at Fairlight Cove on the south coast of England.

The area had suffered from extreme landslide regression resulting in the loss of residential property and further threatening a large number of dwellings. A long-term, durable solution was required to protect the sub-vertical failure surface close to a key drainage facility. The steep nature of the slope prevented conventional slope protection techniques such as vegetation growth, while the restricted access on site prevented the use of many conventional concreting methods such as shotcrete.

As a result, CC was specified for the project as its man-portable batched rolls would allow the contractors to easily transport the material to the site, provide a fast and easy to installation solution, and would provide protection for 50+ years due to the product's design life. The works were carried out by Geotechnical Consulting Group for Rother Council.

CC5™ was specified for the project, and delivered to site in pre-batched rolls. The material was lifted to the top of the slopes which required protection, and unrolled vertically, from crest to toe. The leading edges of the material were secured in anchor trenches, which were later backfilled, while overlapping layers of CC were jointed to prevent ingress.

\*Geosynthetic Cementitious Composite Mat







Nearby dwellings were at risk due to danger of further landslide



CC was fixed to substrate using ground pegs



Completed first slope section



CC edges were buried following installation

*“Concrete Canvas allowed us to quickly and effectively provide protection to a slope which was experiencing ground movement. The site was particularly difficult as it was on an exposed coastal cliff top and steep slope. The Concrete Canvas was laid in less than a day and without the need for heavy plant machinery, and also allowed the provision of an access ramp and superficial drainage. We would recommend its use to anyone facing similar challenges with slope stabilisation.”*

Dr. Jacqueline Skipper,  
**Senior Geologist,**  
**Geotechnical Consulting Group**