

Project Info

OCT
17

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CC

CC5™ Batched Rolls

#

77m²

V

Longitudinal layers

G

New Caledonia

H

SODISCAL

i

CC5™ was used to provide protection to a slope below a road which had suffered erosion



Completed slope installation in New Caledonia

In October 2017, Concrete Canvas® GCCM* (CC) was used to line a slope along a mountain road in New Caledonia. Surface runoff had caused erosion on a section of the slope which leads down to a drainage pipe outfall area. The erosion had caused large areas of the slope to subside, affecting drainage, putting the slope at risk of slip and in turn, endangering road users.

A non-woven geotextile had been considered as a short-term solution, however the client decided to find a long-term solution to prevent re-installation and further works on the site in the near future. The client was already aware of CC and therefore immediately specified it for the job on deciding to approach the project with a long-term solution in mind. The works were carried out by SODISCAL for South Province, New Caledonia.

In preparation for installation, vegetation was removed from the slope and the substrate reprofiled. Batched rolls of CC5™ were delivered to the site, and unrolled down the length of the slope, from crest to toe. The CC was fixed using ground pegs and masonry rocks, where required. Overlaps of the material were then jointed using a sealant and screw combination. This was repeated along the width of the slope which required lining, and hydration giving once installation was complete.

A total of 77m² of CC5™ were installed in just 4 hours by a team of four people and in good but warm conditions of 25-30°C. The client was satisfied with the outcome of the installation and is considering specifying CC for future projects.

*Geosynthetic Cementitious Composite Mat



Section of slope affected by erosion and subsidence



Slope prior to works



Slope following ground preparation



Deployment of CC



Cutting and fixing CC



CC installed around drain outfall