

Project Info



11 / 04 / 18



CC5™ Batched Rolls



79m²



Longitudinal layers



La Foa, South Province,
New Caledonia



DUMEZ



CC5™ used to provide
slope protection and
asbestos containment



Installation in (LOCATION)

In April 2018, Concrete Canvas® GCCM* (CC) was used to provide slope protection and asbestos containment in La Foa, South Province, New Caledonia. Known as the 'Agrisolar project', the installation was carried out on an agricultural/solar farm site.

A non-woven geotextile had previously been installed as a temporary solution, but required replacement due to environmental degradation. Both shotcrete and CC were considered, but CC was ultimately chosen due to its ease of installation. Unlike shotcrete, CC was also not prone to cracking under hydrostatic pressures, making it the preferred option. The works were carried out by the client, DUMEZ.

Prior to installation, anchor trenches were created at the toe and crest of the slope. CC5™ batched rolls were specified and unrolled and laid vertically down the slope. Subsequent layers were overlapped by 100mm, and ground pegs used to secure the material at 2m intervals along the crest. A combination of CT1 sealant and 20mm screws placed at 200mm intervals were then used to joint the overlaps. This process was repeated along the full section of the slope, which covered a corner section of varying heights. The CC was then hydrated using a 1,500L bowser and pressure hose, allowed to rest for 1 hour and hydrated again to ensure sufficient hydration.

79m² of CC5™ were installed in just 8 hours, in temperatures of 25-30°C. The client was satisfied with the installation and has enquired into using CC for a second project, where the material would be used for channel lining.

*Geosynthetic Cementitious Composite Mat





Site prior to installation



CC laid longitudinally from crest to toe of slope



Jointing and fixing



Jointing at overlaps



Hydration