

## Project Info



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CC5™ Batched Rolls



1230m<sup>2</sup>



Vertical layers



Jalan Kasawari 11,  
Puchong, Selangor,  
Malaysia



Daengco Sdn Bhd



CC5™ used to prevent  
erosion of a slope  
located between a road,  
primary school and  
houses.



*Right justified picture caption*

In October 2014, Concrete Canvas® GCCM\* (CC) was used to prevent erosion of a slope in Jalan Kasawari 11, Puchong, Selangor, Malaysia. The slope is located between a road and primary school at the top and residential dwellings in close proximity at the toe. Due to the high levels of rainfall and runoff flowing over the slope there was concern that the slope would eventually fail, putting lives at risk. Shotcrete was considered for the installation, however the large amount of plant required would have posed a risk to the students and teachers at the primary school, as well as requiring closure of the road - the only vehicular access route to the school.

Vegetation and loose rocks were removed from the slope before batched rolls of 5mm thick CC (CC5™) were delivered to site. The CC was pegged at the crest through the overlap before being unrolled down the slope by hand, with the installation team ensuring there was a 100mm overlap between subsequent layers. Pegs were also used where necessary down the face of the slope, to ensure intimate contact with the substrate. The overlaps were jointed with screws before hydration.

In total, 1230m<sup>2</sup> for CC5™ were installed in just 4 days, on a difficult to access site with no disruption to the local residents and no lane possession. The local council was pleased with the installation and have since ordered more material for other similar projects, with neighbouring councils now following their lead.

\*Geosynthetic Cementitious Composite Mat







*Site before works began*



*Unrolling CC*



*Fixing at crest with ground pegs*



*Screwing overlaps*



*Hydration*



*The completed project 18 months after installation*