

## Project Info



01 / 03 / 2015



CC5™ Batched Rolls



160sqm



Vertical layers



Hachioji City, Tokyo,  
Japan



KOSOKU HOZEN  
Co. Ltd



CC5™ was used to protect a slope at risk of slip due to weathering erosion.



Completed installation



Site before installation



Fixing using U-shaped ground pegs

In March 2015, Concrete Canvas® GCCM\* (CC) was used as a slope protection method in Hachioji City, Tokyo, Japan, for Central Nippon Expressway. The slope was at risk of slip due to weathering erosion. The site has access issues due to the proximity of the treeline at the crest and no plant access at the toe. Shotcrete was considered for the installation, however the rebound and access issues made it unsuitable.

Installation was carried out by KOSOKU HOZEN Co. Ltd, who began by removing vegetation and any sharp or protruding rocks from the slope face. A pulley system was set up to deploy batched rolls of CC5™ down the face of the slope. Each layer was fixed to the substrate using rock anchors (to rock) or U-shaped steel ground pegs (to soil). Subsequent layers were positioned so as to overlap the previous by 100mm and the overlaps were jointed with screws. Hydration was achieved using a hose with spray nozzle attached.

**In total, 160sqm of CC5™ were installed in 6 days by 5 people.** The CC5™ was able to easily accommodate the varying profile of the treeline and was easy to install despite the limited site access. The contractor was impressed with the material and will be proposing it for use on other projects.

\*Geosynthetic Cementitious Composite Mat

