

Project Info



29 / 06 / 15



CC5™ Bulk Rolls



840m²



Transverse layers



Casterino, France



GARELLI INDUSTRIE
Chantier



To create and line a
temporary diversion
channel



A Bulk Roll suspended from a Spreader Beam

In June 2015, Concrete Canvas® GCCM* (CC) was used to create and line a temporary diversion channel at a construction site in Casterino, France. The work was carried out by GARELLI I.E.S (Industrial & Environmental Services) and supervised by the French distributor Point P Travaux Publics, where two teams of four installed 840m² of Concrete Canvas (CC5™), over a three day period working shifts of days and afternoons.

Concrete Canvas® was the ideal and chosen solution due to its rapid installation properties, compared to more conventional methods. CC is a cement impregnated geotextile that hardens on hydration to form a durable, fibre reinforced, impermeable concrete layer. The material can be deployed by hand from man portable batched rolls or from large bulk rolls mounted on spreader beam equipment for larger projects and where plant is available (such as this install). CC can be cut to the exact section of any given channel, eliminating waste and accommodating variations in profile. CC's main advantages over conventional concrete are speed and ease of install, cost savings, durability and environmental friendliness.

Removal of any loose material and rocks around the project area took place prior to installation along with the channel being graded with heavy plant and anchor trenches being excavated. The CC was trimmed using hand tools, anchored to the ground by the use of steel pegs. The overlaps were jointed using stainless steel screws at 200mm centres. Hydration was achieved via an on-site water tank, corrugated hose and nozzle with the bottom of the channel being fully submerged in water.

*Geosynthetic Cementitious Composite Mat





CC can accommodate variations in profile



The project took place over a three day period



The complete diversion channel showing back-filled anchor trenches

The customer was very satisfied with the end result, the major factor of this was due to the rapid installation. The diversion channel was completed in three days, any other solution would have generally taken around 2 weeks or more.