

## Project Info



20 / 05 / 15



CC5™ Bulk Rolls



1,000m²



Transverse layers



Ungani oil field, Canning Superbasin, Broome, Australia



Undisclosed



CC was installed to ensure the existing bund maintained its compliance to AS (Australian Standard) 1940-2004: the storage and handling of flammable and combustible liquids.



Layup of CC

In May 2015, Concrete Canvas® GCCM\* (CC) was used to line a series of bunds at the Ungani oil field, located in the onshore Canning Superbasin, approximately 150 kilometres east of Broome, Western Australia. The existing bund was subject to weathering erosion causing it to lose integrity and fail to maintain the minimum height required to comply with AS 1940-2004: The storage and handling of flammable and combustible liquids Australian Standard.

Originally shotcrete was considered, but the remote location meant transporting the raw materials to site would have been very costly. Two 17T mixer trucks can be replaced by just one pallet of CC, which when combined with rapid installation times, meant CC was a more cost effective solution for this project.

Anchor trenches were cut into either side of the bund before a standard HDPE liner was installed. 5mm thick CC (CC5™) was then unrolled transversely across the bund, with each layer overlapping the previous by 100mm. An adhesive sealant and screws were used to join the material, before hydration using a bowser and pressure hose with spray nozzle. The anchor trenches were backfilled to prevent water ingress under the CC and provide a neat termination.

In total, 1000sqm of CC5™ was installed in just 2 days by 3 people, instead of the 5 allowed for the install. Additionally the client estimated that using CC provided a cost saving of over 30%. The client was very impressed with the product and have already identified a number of sites within their network where they intend to use CC.

\*Geosynthetic Cementitious Composite Mat







Remote site location



HDPE liner before application of CC



Unrolling CC



Completed layup of CC



Hydrating CC



CC post-hydration