



## CONCRETE CANVAS LTD WINS PRESTIGIOUS GE AWARD

**Concrete Canvas Ltd has won the Award for Technical Innovation at the 2017 Ground Engineering Awards.**

The deserving winners of the 2017 GE Awards were announced on Wednesday 5 July at the Hilton Park Lane, London.

The **GE Awards** brought together 750 clients, contractors, designers and geotechnical experts for a glamorous evening of celebration, recognition and networking.

After review by a panel of over 50 expert judges, Concrete Canvas won in recognition of the innovation of its ground-breaking all-in-one armoured impermeable liner, CC Hydro™. CC Hydro™ combines the company's concrete impregnated fabric technology with a high impermeability, chemically resistant geomembrane backing. The liner incorporates a hi-visibility welding strip allowing joints to be thermally bonded with a twin or triple track air channel for on-site testing. CC Hydro™ provides an all in one solution that does not require any top cover, maintains volume capacity and reduces the life cycle costs of containment bunds and lagoons.

A **Ground Engineering Awards** Judge commented:

*"This is an innovative product with a rapidly expanding market and wide range of applications. Good engineering solution."*

The judges were particularly impressed with the company's attitude to continuous improvements and working with clients to produce new innovations to suit future applications, client requirements and environmental conditions.

**Claire Smith**, editor of **Ground Engineering**, commented:

*"This year's winners clearly demonstrate how the UK geotechnics industry is evolving through greater innovation and emerging technology to deliver new levels of engineering excellence while still providing value and sustainable solutions. It is also truly great to see the focus on pre-emptive solutions to create resilience and reduce risk in this year's shortlist and I hope this will be a continuing trend in the industry."*

For more information on the GE Awards go to [awards.geplus.co.uk](http://awards.geplus.co.uk)

- Ends -

## Notes

### **Concrete Canvas Ltd**

Concrete Canvas Ltd manufactures 3 award winning products, Concrete Canvas® GCCM (Geosynthetic Cementitious Composite Mat), the recently launched, revolutionary containment product, CC Hydro™ (CCH) and Concrete Canvas Shelters™ (CCS). All products are manufactured at the company's headquarters in Pontypridd, near Cardiff, in South Wales from where it exports to over 80 countries around the world. Concrete Canvas GCCM has quickly gained market acceptance in the civil engineering sector as a cost-effective alternative to conventional concrete in a wide range of applications, from channel lining to slope protection. International customers include Shell, BP, Barrick Mining, BHP Billiton, Arup, Halcrow, Carillion and the British Armed Forces.

### The Products

#### **Concrete Canvas GCCM® (CC)**

CC is a flexible cement impregnated fabric that hardens on hydration to form a thin, durable, water proof and fire proof concrete layer, allowing concrete to be used in a completely new way. There is no need for mixing or measuring; the concrete is premixed and cannot be over hydrated, and will set underwater and in sea water.

CC is a low mass, low carbon geo-textile technology which uses up to 95% less material than conventional concrete for many applications. It is chemically resistant, has good weathering performance and will not degrade in UV, as well as having a design life of over 50 years.

CC can be cut or shaped using hand-tools, and requires a minimal amount of personnel and training to install. It has proven to be easier, faster, and cheaper to install than conventional methods, such as poured concrete or shotcrete, and produces less waste. It is available in man-portable rolls, allowing it to be used in remote or difficult-to-access areas like deep mines, and is also available in three different thicknesses, allowing for a range of uses. In short, CC allows construction and remediation projects in the civil sector to be completed with more efficiency and flexibility and with a lower impact on the environment than traditional concrete solutions. This is appreciated by our clients who, during a time of recession and environmental scrutiny, are looking for more cost-effective, environmentally-responsible solutions to their projects.

#### **CC Hydro™**

CC Hydro™ is a revolutionary new containment product from Concrete Canvas Ltd. It combines the company's concrete impregnated fabric technology with a high impermeability, chemically resistant geomembrane backing. The geomembrane provides a high-performance liner with a testable joint for quality assured containment applications. The liner incorporates a hi-visibility welding strip allowing joints to be thermally bonded with a twin-track or triple-track air channel for on-site testing. The flexible concrete impregnated fabric, hardens on hydration, to provide long term protection to the geomembrane from puncture, abrasion, weathering and UV degradation. This hard armour concrete surface effectively removes the need for concrete, soil or aggregate top cover, normally required with conventional liner systems. CC Hydro™ is available in 2 thicknesses; CCH5™ and CCH8™ (5 and 8mm) for a wide range of containment applications.

#### **Concrete Canvas Shelters**

Concrete Canvas Shelters™ (CCS) are rapidly deployable hardened shelters that require only water and air for construction. CCS are constructed from CC bonded to the outer surface of a plastic inner which forms a Nissen-Hut shaped structure once inflated. A 25m<sup>2</sup> CCS can be deployed by 2 people in less than 1 hour and is ready to use in only 24 hours.

