

PRESS RELEASE MONDAY 26th April 2021 - MELBOURNE, AUSTRALIA

Australian Developed GCCM Hits the Ground Running

Developed and manufactured in Australia, ITL's new GCCM waterproofing lining provides an excellent barrier that is durable, watertight and damage tolerant.

ITL's Aqualiner™, with a hydrostatic head of up to 50 metres (~500 kPa), comprises a polymer-cementitious coating bonded to and impregnated in a non-woven/woven geofabric that provides a durable concrete layer when hydrated is ready to install on-site from the factory. Aqualiner™ GCCM has excellent mechanical properties and is flexible, durable, robust, and self-extinguishing (will not sustain fire, passes UL94), resisting mechanical installation damage as well as human and fauna traffic.

Typical applications include irrigation channel liner, dam liner, bund liner, slope protection, flood gates and flood mitigation and is certified AS4020 for potable water applications.

A recent application extended to the civil engineering sector, demonstrated its strong multi-axial properties which allows Aqualiner™ GCCM to be laid successfully over potentially damaging sub-grades.

The installation involved installing Aqualiner™ GCCM over existing beaching embankments on the Hume Freeway in North-Eastern Victoria. Specified by GHD and installed by Downer Constructions, the Aqualiner™ was installed to prevent water seeping through the beaching formation, preventing potential instability within the embankment.

The Aqualiner™ GCCM was mechanically attached to the existing concrete walls, the joint over-sprayed with ITL's Aquaseal™ (a polymer cement sealant).

Connected to a simple drainage fixture, any rainwater will be diverted to the road drain structure, resulting in a cost-effective solution to a potential problem for an expensive infrastructure asset.

Application Areas for Aqualiner™ GCCM:

- Lagoon Liner
- Channel Liner
- Berm Protection
- Weed Suppression
- Concrete Remediation
- Ditch Lining
- Culvert Lining
- Outfalls and Spillways
- Erosion Control
- Embankment Stabilization

About ITL

Infrastructure Technologies Limited (www.itlau.com) develops and manufactures a range of polymer-cementitious products for use in water, rail, mining, and road infrastructure.

Aqualiner™ is trademark and patented protected by Infrastructure Technologies Limited.

Aquaseal™ is trademark and patented protected Infrastructure Technologies Limited.

Press Release Photograph of Aqualiner™ over existing beaching embankments on the Hume Freeway in North-Eastern Victoria.



Enquiries

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