

Geosynthetic Cementitious Composite Barrier (GCCB) Specification

1. Definitions

GCCB (Geosynthetic Cementitious Composite Wall) is – "A factory assembled geosynthetic composite consisting of a cementitious material contained within a layer or layers of geosynthetic materials that becomes hardened when hydrated."

GCCB (Geosynthetic Cementitious Composite Barrier) is – "A factory assembled geosynthetic composite consisting of a GCCB and a polymeric geomembrane to be used for the containment of liquids."

Manufacturer: The Party responsible for manufacturing the GCCB rolls.

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The Contractor shall be responsible for a Manufacturer that has manufactured not less than 1,000,000 square metres of GCCB or GCCB over the last five years. The Manufacturer shall operate a Quality Assurance system independently verified under ISO9001.

The Manufacturer shall provide to the Engineer a copy of their ISO9001 Registration Certificate together with a summary of quality control procedures undertaken by the Manufacturer at the production facility. The summary shall include the parameters checked and the frequency of the checks.

2. Installer

The GCCB shall be installed by an Installer who has installed a minimum of 1000 square metres of GCCB or geomembranes during the last (1) year(s), and has worked in a similar capacity on at least (1) project(s) similar in size, scope and complexity to the project described in the contract documents.

The Installer shall provide an Installation Supervisor with not less than (2) years of relevant experience in a similar capacity on projects similar in size, scope and complexity to the project described in the contract documents. The Installation Supervisor shall have a minimum of (2)