



A.G.A. CLAYMAT

A.G.A. High Technology Natural Lining System.
An extremely dense bentonite liner of low thickness that provides securely sealed water containment structures of any size.



All A.G.A. Claymat liners contain superior quality sodium bentonite clay that is characterised by high swelling capacity and extremely low permeability.

The A.G.A. Group provides:

Design

Supply & Installation

Joint Partnership Ventures

Turnkey Projects

Claymat has a very wide range of applications:

- Reservoirs – ponds and lakes
- Dams – canals and water courses
- Geomembrane protection layers
- Surface impoundment liners
- Secondary containment
- Groundwater protection
- Landfill base liners
- Waste and containment capping
- Gas and vapour seals
- Vertical barriers

The A.G.A. Group's installations using Bentonite Claymat – advantages at a glance:

LOW PRODUCT WEIGHT

...means minimum transport costs. One lorry load covers up to 4000m²

QUICK AND TROUBLE FREE INSTALLATION

...no heavy compactors or complicated welding equipment.

DEFINED SEALING EFFICIENCY

...consistent thickness and an extremely low k value ensure exactly defined sealing properties.

LARGE PRODUCT WIDTH

...minimises lost coverage due to fewer overlaps.

HIGH, LONG-TERM SHEAR STRENGTH

...provided by the fibre reinforcement which also prevents lateral migration of the bentonite.

The self-sealing properties of A.G.A. Claymat secure the integrity of any open water containment system.

In the event of damage, water will cause the bentonite to hydrate and thus, render the liner impermeable.

The structure is permanently protected – even small cracks and voids will self-seal. Claymat offers superior technical properties, significant advantages in cost savings, ease of installation and outstanding performance.

The A.G.A. Group

The A.G.A. Group has been constructing water bodies with Geosynthetic Clay Liners (GCL) for over a decade. Bentonite clay liners have almost totally superseded compacted clay liners because of their cost effective construction and reliability.



A.G.A. CLAYMAT the backbone of reliable water containment structures

The A.G.A. Group will recommend clients the optimum solution for their project and its installation applications. Claymat is economical, environmentally friendly and totally reliable. High Technology Natural Lining Systems

Claymat utilises the strength of millions of needle-punched fibres to secure a uniform layer of high swelling natural sodium bentonite encapsulated within durable polypropylene outers.

Claymat offers superior technical properties, significant advantages in cost savings and flexibility of installation even over or around complicated structures. Once fully hydrated it is an effective barrier to liquids, vapours and gasses.

THE A.G.A. GROUPS installation teams operate solely within the field of aquatic and bioengineering. We operate a policy of 'Best Practice' and are bound by the Code of Conduct of both the Institute of Fisheries Management and the Institute of Biology. The A.G.A. Group is Quality assured to: ISO 9001 : 2008 and ISO 14001 : 2004. Registered: Achilles Utilities Vendor Database No. 705965

